

WBS No: 1EDC01
Activity ID: 1E52104A20

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | |
|-------------------------|--|-------------|-----------------|
| WBS No: 1EDC01 | Title: 441 Cluster Stabilization/Hazard Removal | Cost Risk 2 | Schedule Risk 1 |
| Activity ID: 1E52104A20 | Description: 441 Cluster Admin. Property Removal | | |

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| aPROPREM125/4 | Property Removal | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1E52104A20: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item aPROPREM125/441 - Property Removal

| | |
|-----|--|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 5322 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

Resources

| Cost Element | Skill | Department | Curve | Quantity | Units |
|------------------------|-------------------------------|-------------------------------------|--------|----------|-------|
| 750 STRAIGHT TIME BASE | C010 CARPENTERS | C211S Electrical Maintenance | Linear | 252.57 | Hours |
| Factors 284 hrs | | | | | |
| 750 STRAIGHT TIME BASE | C020 ELECTRICIANS | C214S Building Maintenance | Linear | 283.70 | Hours |
| Factors 319 hrs | | | | | |
| 750 STRAIGHT TIME BASE | C080 PLUMBERS AND PIPEFITTERS | C213S HVAC Maintenance | Linear | 409.99 | Hours |
| Factors 461 hrs | | | | | |
| 750 STRAIGHT TIME BASE | E120 SAFETY ENGINEERS | C101S Health & Safety | Linear | 473.13 | Hours |
| Factors 532 hrs | | | | | |
| 750 STRAIGHT TIME BASE | L090 GENERAL LABORER | C270S Property Management | Linear | 473.13 | Hours |
| Factors 532 hrs | | | | | |
| 750 STRAIGHT TIME BASE | M020 MANAGERS (GRADE 69 - 72) | C210S Facilities Mamt & Maintenance | Linear | 1,656.84 | Hours |
| Factors 1863 hrs | | | | | |

| | | | |
|-------------------------|--|-------------|-----------------|
| Activity ID: 1E52104A25 | Description: 441 Cluster Lab. Property Removal | Cost Risk 2 | Schedule Risk 1 |
|-------------------------|--|-------------|-----------------|

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| Lproprem125/441 | Property Removal | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1E52104A25: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item Lproprem125/441 - Property Removal

| | |
|-----|---|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 531 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, .35 hrs admin support, and 1.16 hrs rct support. Unit Cost Adjustment factor - None |
|-----|---|

WBS No: 1EDC01
Activity ID: 1E52104A25

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Revised Unit Cost - None
Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 164.53 | Hours |
| Factors | 185 | hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 409.10 | Hours |
| Factors | 460 | hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 251.68 | Hours |
| Factors | 283 | hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C101S | Health & Safety | Linear | 94.27 | Hours |
| Factors | 106 | hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C270S | Property Management | Linear | 94.27 | Hours |
| Factors | 106 | hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mamt & Maintenance | Linear | 165.42 | Hours |
| Factors | 186 | hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | C270S | Property Management | Linear | 282.81 | Hours |
| Factors | 318 | hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |

Activity ID: 1E52104A30 Description: 441 Cluster Personnel Relocation

Cost Risk 2 Schedule Risk 1

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|----------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| Relo125/441 | Personnel Relocation | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1E52104A30: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item Relo125/441 - Personnel Relocation

BOE

Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
Item - Personnel Move
Units - Each
Unit Cost - \$432.35
Unit Cost Adjustment factor - None
Revised Unit Cost - None
Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|---------|-------------------------------|------------|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C233S | Building Services | Linear | 8.00 | Hours |
| Factors | 9 | Hrs | | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| A59 | DYNCORP I&ET | 0000 | NONE | C210S | Facilities Mamt & Maintenance | Linear | 163.74 | Dollars |
| Factors | 180 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C233S | Building Services | Linear | 48.08 | Dollars |
| Factors | 53.26 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| 0.88934 ISYS 0614001 .88934200 - Svstem | | | | | | | | |

Activity ID: 1EDC1200 Description: 441 Cluster Stab/Hazard Removal

Cost Risk 2 Schedule Risk 2

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|-----------|-------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
|-----------|-------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|

WBS No: 1EDC01
Activity ID: 1EDC1200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | | | | | |
|------------------------------|----------------------------|-------|------|----|-------|--------|---------|--------|--------|---------|---------|---------|
| 0100 - tC552104A | Property Removal | 1.00 | each | EE | 3,549 | 3,549 | 131.010 | 0 | 0 | 131.010 | 36.945 | 167.955 |
| 0100 - tC552104A | Property Removal | 1.00 | each | EE | 1,462 | 1,462 | 36.743 | 0 | 0 | 36.743 | 10.362 | 47.105 |
| aPROPREM125/4 | Property Removal | 1.00 | each | EE | 3,549 | 3,549 | 131.010 | 0 | 0 | 131.010 | 36.945 | 167.955 |
| FacTrans441 | Facility Transition | 1.00 | each | EE | 2,284 | 2,284 | 76.325 | 16.374 | 0 | 92.698 | 21.524 | 114.222 |
| Lproprem125/441 | Property Removal | 1.00 | each | EE | 1,462 | 1,462 | 36.743 | 0 | 0 | 36.743 | 10.362 | 47.105 |
| Relo125/441 | Personnel Relocation | 30.00 | each | EE | 8 | 240 | 2,992 | 6,354 | 0 | 9,346 | 844 | 10,190 |
| SYS | Contingency And Escalation | 1.00 | ea | EE | 0 | 0 | 0 | 0 | 79.785 | 79.785 | 0 | 79.785 |
| Total for Activity 1EDC1200: | | | | | | 12.547 | 414.823 | 22.728 | 79.785 | 517.336 | 116.980 | 634.316 |

Line Item 0100 - tC552104A20 - Property Removal

| | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. | | | | | | | | | |
| | Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - property disposition | | | | | | | | | |
| | Units - each. There are and estimated 5322 units that will require disposition. | | | | | | | | | |
| | Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support. | | | | | | | | | |
| | Unit Cost Adjustment factor - None | | | | | | | | | |
| | Revised Unit Cost - None | | | | | | | | | |
| | Basis for adjustment - None | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|-------|--------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 252.57 | Hours |
| Factors 284 hrs | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 283.70 | Hours |
| Factors 319 hrs | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 409.99 | Hours |
| Factors 461 hrs | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |
| 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C101S | Health & Safety | Linear | 473.13 | Hours |
| Factors 532 hrs | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C270S | Property Management | Linear | 473.13 | Hours |
| Factors 532 hrs | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 1,656.84 | Hours |
| Factors 1863 hrs | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |

Line Item 0100 - tC552104A25 - Property Removal

| | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. | | | | | | | | | |
| | Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - property disposition | | | | | | | | | |
| | Units - each. There are and estimated 531 units that will require disposition. | | | | | | | | | |
| | Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, .35 hrs admin support, and 1.16 hrs rct support. | | | | | | | | | |
| | Unit Cost Adjustment factor - None | | | | | | | | | |
| | Revised Unit Cost - None | | | | | | | | | |
| | Basis for adjustment - None | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

WBS No: 1EDC01
Activity ID: 1EDC1200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 164.53 | Hours |
| Factors | 185 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 409.10 | Hours |
| Factors | 460 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 251.68 | Hours |
| Factors | 283 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C101S | Health & Safetv | Linear | 94.27 | Hours |
| Factors | 106 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C270S | Property Management | Linear | 94.27 | Hours |
| Factors | 106 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 165.42 | Hours |
| Factors | 186 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | C270S | Property Management | Linear | 282.81 | Hours |
| Factors | 318 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |

Line Item aPROPREM125/441 - Property Removal

| | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|
| BOE | <p>Estimators Experience - Estimator has been working in KH property management and oversight for the past four years.</p> <p>Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster</p> <p>Breakdown of Cost Data:</p> <p>Item - property disposition</p> <p>Units - each. There are and estimated 5322 units that will require disposition.</p> <p>Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support.</p> <p>Unit Cost Adjustment factor - None</p> <p>Revised Unit Cost - None</p> <p>Basis for adjustment - None</p> <p>This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.</p> | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|--------------------------|------------|------------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 252.57 | Hours |
| Factors | 284 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 283.70 | Hours |
| Factors | 319 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 409.99 | Hours |
| Factors | 461 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C101S | Health & Safetv | Linear | 473.13 | Hours |
| Factors | 532 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C270S | Property Management | Linear | 473.13 | Hours |
| Factors | 532 | hrs | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |

WBS No: 1EDC01
Activity ID: 1EDC1200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|------|--------------------------|-------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 1,656.84 | Hours |
| Factors | 1863 | hrs | | | | | | |

0.88934 [SYS 061400] .88934200 - Ssystem

Line Item FacTrans441 - Facility Transition

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster. Breakdown of Cost Data: Item - Building Transition Units - Per Building, 6 buildings in this cluster. Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200; Planning - \$1,800; Safety - 8 hrs. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|--|--------------------|------|---------------------------|-----------|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C210S | Facilities Mgmt & Maintenance | Linear | 394.87 | Hours |
| Factors | 74 | hrs | 6 | buildings | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C210S | Facilities Mgmt & Maintenance | Linear | 469.57 | Hours |
| Factors | 88 | hrs | 6 | buildings | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C210S | Facilities Mgmt & Maintenance | Linear | 394.87 | Hours |
| Factors | 74 | hrs | 6 | buildings | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | E050 | ENVIRONMENTAL ENGINEERS | C103S | Environmental Compliance | Linear | 42.69 | Hours |
| Factors | 8 | hrs | 6 | buildings | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C200S | Engineering Services | Linear | 42.69 | Hours |
| Factors | 8 | hrs | 6 | buildings | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C210S | Facilities Mgmt & Maintenance | Linear | 85.38 | Hours |
| Factors | 16 | hrs | 6 | buildings | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 853.77 | Hours |
| Factors | 160 | hrs | 6 | buildings | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| A53 | E-2 | 0000 | NONE | C105S | Work Control Center | Linear | 9,824.17 | Dollars |
| Factors | 1800 | \$ | 6 | buildings | 1.02283 -- FY00 Escalation -- | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| A53 | E-2 | 0000 | NONE | K252S | Engineering | Linear | 6,549.45 | Dollars |
| Factors | 1200 | \$ | 6 | buildings | 1.02283 -- FY00 Escalation -- | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |

Line Item Lproprem125/441 - Property Removal

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 531 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, .35 hrs admin support, and 1.16 hrs rct support. Unit Cost Adjustment factor - None Revised Unit Cost - None | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

WBS No: 1EDC01
Activity ID: 1EDC1200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Basis for adjustment - None
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 164.53 | Hours |
| | Factors | 185 | hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 409.10 | Hours |
| | Factors | 460 | hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 251.68 | Hours |
| | Factors | 283 | hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C101S | Health & Safety | Linear | 94.27 | Hours |
| | Factors | 106 | hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C270S | Property Management | Linear | 94.27 | Hours |
| | Factors | 106 | hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mamt & Maintenance | Linear | 165.42 | Hours |
| | Factors | 186 | hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | C270S | Property Management | Linear | 282.81 | Hours |
| | Factors | 318 | hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |

Line Item Relo125/441 - Personnel Relocation

| | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|
| BOE | Breakdown of Cost Data: Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99. Item - Personnel Move Units - Each Unit Cost - \$432.35 Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|---------|-------------------------------|------------|-------------------------------|---------|---------------------------------|---------|
| | 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C233S | Building Services | Linear | 8.00 | Hours |
| | Factors | 9 | Hrs | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | A59 | DYNACORP I&ET | 0000 | NONE | C210S | Facilities Mamt & Maintenance | Linear | 163.74 | Dollars |
| | Factors | 180 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| | A5C | SUPPLIES | 0000 | NONE | C233S | Building Services | Linear | 48.08 | Dollars |
| | Factors | 53.26 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |

Line Item SYS - Contingency And Escalation

| BOE | | | | | | | | | |
|-----------|--------------|-------------|---------|------|------------|---------------|--------|-----------|---------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | CON | CONTINGENCY | 0000 | NONE | ZDEPT | No Department | Linear | 26.541.22 | Dollars |
| | Factors | 26541.2 | Dollars | | | | | | |
| | ESC | ESCALATION | 0000 | NONE | ZDEPT | No Department | Linear | 53.244.00 | Dollars |
| | Factors | 53244 | Dollars | | | | | | |

WBS No: 1EDC03 Title: 442/452 Cluster Stabilization/Hazard Rem
Activity ID: 1E59104A20 Description: 442/452 Cluster Property Removal

Cost Risk 1 Schedule Risk 1

WBS No: 1EDC03
Activity ID: 1E59104A20

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 442/452PropRem | Property Removal | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1E59104A20: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item 442/452PropRem - Property Removal

| | | | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|--|--|
| BOE | <p>Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 4224 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None</p> <p>This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.</p> | | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|-----|---|--------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 200.10 | Hours |
| Factors | 225 | hrs | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 225.00 | Hours |
| Factors | 253 | hrs | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 325.50 | Hours |
| Factors | 366 | hrs | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | E120 | SAFETY ENGINEERS | C101S | Health & Safety | Linear | 375.30 | Hours |
| Factors | 422 | hrs | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | L090 | GENERAL LABORER | C270S | Property Management | Linear | 375.30 | Hours |
| Factors | 422 | hrs | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 1,314.45 | Hours |
| Factors | 1478 | hrs | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Activity ID: 1E59104A30 Description: 442/452 Cluster Personnel Relocation

Cost Risk 2 Schedule Risk 1

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|----------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 442/452PerRelo | Personnel Relocation | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1E59104A30: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item 442/452PerRelo - Personnel Relocation

| | | | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| BOE | <p>Breakdown of Cost Data:Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99. Item - Personnel Move Units - Each Unit Cost - \$432.35 Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None</p> <p>This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.</p> | | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|--|--|

| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC03
Activity ID: 1E59104A30

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C233S | Building Services | Linear | 8.00 | Hours |
| Factors | 9 | Hrs | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A59 | DYNCORP I&ET | 0000 | NONE | C210S | Facilities Mamt & Maintenance | Linear | 163.74 | Dollars |
| Factors | 180 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C233S | Building Services | Linear | 48.08 | Dollars |
| Factors | 53.26 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Activity ID: 1EDC3200 Description: 442/452 Cluster Stab/Hazard Removal

Cost Risk 2 Schedule Risk 2

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|------------------------------|----------------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 442/452FacTran | Facility Transition | 1.00 | each | EE | 4.187 | 4.187 | 139.929 | 30.018 | 0 | 169.947 | 49.298 | 219.245 |
| 442/452PerRelo | Personnel Relocation | 19.00 | each | EE | 8 | 152 | 1.895 | 4.024 | 0 | 5.919 | 668 | 6.587 |
| 442/452PropRem | Property Removal | 1.00 | each | EE | 2.816 | 2.816 | 103.932 | 0 | 0 | 103.932 | 36.616 | 140.548 |
| SYS | Contingency And Escalation | 1.00 | ea | EE | 0 | 0 | 0 | 0 | 57.499 | 57.499 | 0 | 57.499 |
| Total for Activity 1EDC3200: | | | | | | 7.155 | 245.755 | 34.043 | 57.499 | 337.297 | 86.582 | 423.879 |

Line Item 442/452FacTran - Facility Transition

| | |
|-----|--|
| BOE | Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster. Breakdown of Cost Data: Item - Building Transition Units - Per Building, 11 buildings in this cluster. Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200; Planning - \$1,800; Safety - 8 hrs. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---------------------------|------------|---|-------------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C210S | Facilities Mgmt & Maintenance | Linear | 723.92 | Hours |
| Factors | 74 | hrs | 11 | buildings | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C210S | Facilities Mgmt & Maintenance | Linear | 860.88 | Hours | |
| Factors | 88 | hrs | 11 | buildings | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C210S | Facilities Mgmt & Maintenance | Linear | 723.92 | Hours | |
| Factors | 74 | hrs | 11 | buildings | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | E050 | ENVIRONMENTAL ENGINEERS | C103S | Environmental Compliance | Linear | 78.26 | Hours | |
| Factors | 8 | hrs | 11 | buildings | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C200S | Engineering Services | Linear | 78.26 | Hours | |
| Factors | 8 | hrs | 11 | buildings | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C210S | Facilities Mgmt & Maintenance | Linear | 156.52 | Hours | |
| Factors | 16 | hrs | 11 | buildings | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 1,565.24 | Hours | |
| Factors | 160 | hrs | 11 | buildings | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |

WBS No: 1EDC03
Activity ID: 1EDC3200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|------|------|------|-----------|-------------------------------|---|-----------|---------|
| A53 | E-2 | 0000 | NONE | C105S | Work Control Center | Linear | 18.010.98 | Dollars |
| Factors | 1800 | \$ | 11 | buildings | 1.02283 -- FY00 Escalation -- | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| A53 | E-2 | 0000 | NONE | K252S | Engineering | Linear | 12.007.32 | Dollars |
| Factors | 1200 | \$ | 11 | buildings | 1.02283 -- FY00 Escalation -- | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 442/452PerRelo - Personnel Relocation

| | |
|-----|---|
| BOE | Breakdown of Cost Data:Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99. Item - Personnel Move Units - Each Unit Cost - \$432.35 Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| | | | | | | |
|-----------|--------------------|---------|-------------------------------|-------|---|---------------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C233S | Building Services | Linear 8.00 |
| Factors | 9 | Hrs | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| A59 | DYNCORP I&ET | 0000 | NONE | C210S | Facilities Mamt & Maintenance | Linear 163.74 |
| Factors | 180 | Dollars | 1.02283 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| A5C | SUPPLIES | 0000 | NONE | C233S | Building Services | Linear 48.08 |
| Factors | 53.26 | Dollars | 1.015 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 442/452PropRem - Property Removal

| | |
|-----|--|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 4224 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| | | | | | | |
|-----------|--------------------|-------|--------------------------|-------|---|---------------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear 200.10 |
| Factors | 225 | hrs | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear 225.00 |
| Factors | 253 | hrs | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear 325.50 |
| Factors | 366 | hrs | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C101S | Health & Safety | Linear 375.30 |
| Factors | 422 | hrs | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C270S | Property Management | Linear 375.30 |
| Factors | 422 | hrs | | | 0.88934 [SYS 061400] .88934200 - Svstem | |

WBS No: 1EDC03
Activity ID: 1EDC3200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|------|--------------------------|-------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mamt & Maintenance | Linear | 1,314.45 | Hours |
| Factors | 1478 | hrs | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item SYS - Contingency And Escalation

BOE

Resources

| Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------------|-----------|---------------------|--------|-----------|---------|
| CON CONTINGENCY | 0000 NONE | ZDEPT No Department | Linear | 39,297.57 | Dollars |
| Factors | 39297.6 | Dollars | | | |
| ESC ESCALATION | 0000 NONE | ZDEPT No Department | Linear | 18,201.30 | Dollars |
| Factors | 18201.3 | Dollars | | | |

Activity ID: 1EFM0130AA Description: 442/452 Cluster Stabilization/Hazards Removal

Cost Risk 1 Schedule Risk 1

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|---------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 442/452FacTran | Facility Transition | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1EFM0130AA: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item 442/452FacTran - Facility Transition

BOE

Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster.
Breakdown of Cost Data:
Item - Building Transition
Units - Per Building, 11 buildings in this cluster.
Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200;
Planning - \$1,800; Safety - 8 hrs.
Unit Cost Adjustment factor - None
Revised Unit Cost - None
Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | Skill | Department | Curve | Quantity | Units |
|---|--------------------------------|-------------------------------------|--------|-----------|-----------|
| 750 STRAIGHT TIME BASE | C010 CARPENTERS | C210S Facilities Mamt & Maintenance | Linear | 723.92 | Hours |
| Factors | 74 | hrs | | 11 | buildings |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 STRAIGHT TIME BASE | C020 ELECTRICIANS | C210S Facilities Mamt & Maintenance | Linear | 860.88 | Hours |
| Factors | 88 | hrs | | 11 | buildings |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 STRAIGHT TIME BASE | C080 PLUMBERS AND PIPEFITTERS | C210S Facilities Mamt & Maintenance | Linear | 723.92 | Hours |
| Factors | 74 | hrs | | 11 | buildings |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 STRAIGHT TIME BASE | E050 ENVIRONMENTAL ENGINEERS | C103S Environmental Compliance | Linear | 78.26 | Hours |
| Factors | 8 | hrs | | 11 | buildings |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 STRAIGHT TIME BASE | E120 SAFETY ENGINEERS | C200S Engineering Services | Linear | 78.26 | Hours |
| Factors | 8 | hrs | | 11 | buildings |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 STRAIGHT TIME BASE | G010 ADMINISTRATIVE ASSISTANTS | C210S Facilities Mamt & Maintenance | Linear | 156.52 | Hours |
| Factors | 16 | hrs | | 11 | buildings |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 STRAIGHT TIME BASE | M020 MANAGERS (GRADE 69 - 72) | C210S Facilities Mamt & Maintenance | Linear | 1,565.24 | Hours |
| Factors | 160 | hrs | | 11 | buildings |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| A53 E-2 | 0000 NONE | C105S Work Control Center | Linear | 18,010.98 | Dollars |
| Factors | 1800 | \$ | | 11 | buildings |
| 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |

WBS No: 1EDC03
Activity ID: 1EFM0130AA

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|------|------|------|-----------|-------------------------------|--------|-----------|---------|
| A53 | E-2 | 0000 | NONE | K252S | Engineering | Linear | 12.007.32 | Dollars |
| Factors | 1200 | \$ | 11 | buildings | 1.02283 -- FY00 Escalation -- | | | |

0.88934 [SYS 061400] .88934200 - System

WBS No: 1EDC05 Title: 444 Cluster Stabilization/Hazard Removal

Activity ID: 1EDC5022 Description: 444 Cluster Stab/Hazard Removal FY02

Cost Risk 2 Schedule Risk 2

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|------------|--|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 444CESO010 | Flush Cooling Tower -B457 | 0.50 | ea | EE | 720 | 360 | 7.846 | 4.513 | 0 | 12.359 | 2.759 | 15.119 |
| 444CESO011 | Stripout -B457 | 0.50 | ea | EE | 636 | 318 | 6.622 | 0 | 0 | 6.622 | 2.329 | 8.951 |
| 444CESO020 | Process Equipment Removal -B455 | 0.50 | ea | EE | 3.427 | 1.713 | 35.323 | 0 | 0 | 35.323 | 12.422 | 47.745 |
| 444CESO030 | Process Equipment Removal -B427 | 0.50 | ea | EE | 2.765 | 1.382 | 28.284 | 812 | 0 | 29.097 | 9.947 | 39.044 |
| 444CESO040 | Flush Cooling Tower-B454 | 0.50 | ea | EE | 689 | 345 | 7.359 | 4.513 | 0 | 11.872 | 2.588 | 14.460 |
| 444CESO041 | Stripout -B454 | 0.50 | ea | EE | 631 | 316 | 6.805 | 0 | 0 | 6.805 | 2.393 | 9.199 |
| 444CESO050 | Process Equipment Removal -B450 | 0.50 | ea | EE | 3.299 | 1.649 | 34.295 | 0 | 0 | 34.295 | 12.060 | 46.355 |
| 444CESO060 | Process Equipment Removal -B451 | 0.50 | ea | EE | 343 | 172 | 3.882 | 0 | 0 | 3.882 | 1.365 | 5.247 |
| 444CESO070 | Process Equipment Removal -B453 | 0.50 | ea | EE | 1.156 | 578 | 12.687 | 0 | 0 | 12.687 | 4.462 | 17.148 |
| 444CESO071 | Stripout -B453 | 0.50 | ea | EE | 1.156 | 578 | 12.233 | 0 | 0 | 12.233 | 4.302 | 16.535 |
| 444CESO072 | Decon -B453 | 0.50 | ea | EE | 694 | 347 | 7.091 | 0 | 0 | 7.091 | 2.494 | 9.585 |
| 444Haz1 | Verify and Review Survey/Decon Procedures | 0.50 | ea | EE | 16 | 8 | 221 | 0 | 0 | 221 | 78 | 299 |
| 444Haz10 | Remove and Repack Legacy Waste | 0.50 | ea | EE | 10.568 | 5.284 | 108.070 | 82.144 | 0 | 190.215 | 38.005 | 228.220 |
| 444Haz100 | Make Room for Sources in B126 | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 41 | 159 |
| 444Haz101 | Prepare Documentation for Source Transfer | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 41 | 159 |
| 444Haz102 | Survey Source Containers | 0.50 | ea | EE | 16 | 8 | 166 | 357 | 0 | 523 | 58 | 582 |
| 444Haz103 | Prepare Sources for Transfer | 0.50 | ea | EE | 92 | 46 | 929 | 0 | 0 | 929 | 327 | 1,255 |
| 444Haz104 | Transfer Sources to B126 | 0.50 | ea | EE | 4 | 2 | 46 | 0 | 0 | 46 | 16 | 62 |
| 444Haz105 | Prepare Closeout Documentation | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 41 | 159 |
| 444Haz106 | Overpack/Stabilize Drums for Shipment | 0.50 | ea | EE | 120 | 60 | 1,280 | 2,257 | 0 | 3,536 | 450 | 3,986 |
| 444Haz107 | Ship Drums | 0.50 | ea | EE | 24 | 12 | 233 | 5,913 | 0 | 6,146 | 82 | 6,228 |
| 444Haz108 | Prepare Closeout Documentation | 0.50 | ea | EE | 16 | 8 | 204 | 0 | 0 | 204 | 72 | 276 |
| 444Haz11 | Prepare Legacy Waste Closeout Documentation | 0.50 | ea | EE | 36 | 18 | 453 | 0 | 0 | 453 | 159 | 613 |
| 444Haz12 | Prepare IWCP for Legacy Waste Repack | 0.50 | ea | EE | 106 | 53 | 1,157 | 0 | 0 | 1,157 | 407 | 1,564 |
| 444Haz13 | Activity Hazards Analysis | 0.50 | ea | EE | 28 | 14 | 432 | 227 | 0 | 659 | 152 | 811 |
| 444Haz14 | Develop RWP | 0.50 | ea | EE | 36 | 18 | 481 | 0 | 0 | 481 | 169 | 650 |
| 444Haz15 | Prepare Legacy Waste Processing Area | 0.50 | ea | EE | 436 | 218 | 4,429 | 9,496 | 0 | 13,925 | 1,557 | 15,482 |
| 444Haz16 | WASTE PACKING rm 601. 602 | 0.50 | ea | EE | 5,019 | 2,509 | 54,908 | 41,597 | 0 | 96,504 | 19,310 | 115,814 |
| 444Haz17 | Prepare IWCP for Fixative Application | 0.50 | ea | EE | 106 | 53 | 1,944 | 0 | 0 | 1,944 | 684 | 2,627 |
| 444Haz18 | Ver. /Rev. Existing IWCP. WGI. RWP. and AHA | 0.50 | ea | EE | 11 | 5 | 147 | 227 | 0 | 375 | 52 | 427 |
| 444Haz19 | WASTE PACKING RM 101 | 0.50 | ea | EE | 7,086 | 3,543 | 77,051 | 31,571 | 0 | 108,622 | 27,097 | 135,719 |
| 444Haz2 | Develop Survey Plans | 0.50 | ea | EE | 44 | 22 | 680 | 0 | 0 | 680 | 239 | 919 |
| 444Haz20 | WASTE PACKING B447 | 0.50 | ea | EE | 2,811 | 1,406 | 28,530 | 14,596 | 0 | 43,126 | 10,033 | 53,159 |
| 444Haz21 | WASTE PACKING RM 104. 109 areas | 0.50 | ea | EE | 2,802 | 1,401 | 30,651 | 14,596 | 0 | 45,247 | 10,779 | 56,027 |
| 444Haz22 | WASTE PACKING Basement | 0.50 | ea | EE | 8,073 | 4,037 | 88,102 | 34,460 | 0 | 122,561 | 30,983 | 153,544 |
| 444Haz23 | WASTE PACKING Mezzanine | 0.50 | ea | EE | 4,688 | 2,344 | 51,152 | 25,449 | 0 | 76,601 | 17,989 | 94,590 |
| 444Haz24 | WASTE PACKING Be Shop | 0.50 | ea | EE | 4,375 | 2,187 | 48,834 | 15,557 | 0 | 64,391 | 17,173 | 81,564 |
| 444Haz25 | Closeout Documentation | 0.50 | ea | EE | 25 | 12 | 317 | 0 | 0 | 317 | 112 | 429 |
| 444Haz26 | Perform Surveys/Decon as reqd to Release Basemnt | 0.50 | ea | EE | 1,001 | 500 | 10,439 | 451 | 0 | 10,890 | 3,671 | 14,561 |
| 444Haz27 | Document and Depost areas as completed | 0.50 | ea | EE | 222 | 111 | 3,673 | 0 | 0 | 3,673 | 1,292 | 4,965 |
| 444Haz28 | Perform Surveys/Decon as reqd to Release NDT | 0.50 | ea | EE | 378 | 189 | 3,946 | 451 | 0 | 4,397 | 1,388 | 5,785 |
| 444Haz29 | Perform Surveys/Decon as reqd to Release B447 | 0.50 | ea | EE | 634 | 317 | 6,596 | 451 | 0 | 7,048 | 2,320 | 9,367 |
| 444Haz3 | APPLICATION CONTAM CTL Be Shop | 0.50 | ea | EE | 64 | 32 | 699 | 6,545 | 0 | 7,244 | 246 | 7,490 |
| 444Haz30 | Perform Surveys/Decon as reqd to Release B448 | 0.50 | ea | EE | 346 | 173 | 3,614 | 451 | 0 | 4,065 | 1,271 | 5,336 |
| 444Haz31 | Perform Surveys/Decon as reqd to Release Rm 179 | 0.50 | ea | EE | 864 | 432 | 9,074 | 451 | 0 | 9,525 | 3,191 | 12,716 |
| 444Haz32 | Perf Surv/Decon as reqd to Release B453 | 0.50 | ea | EE | 378 | 189 | 3,946 | 451 | 0 | 4,397 | 1,388 | 5,785 |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | | | | | |
|----------|--|------|------|----|-------|-------|--------|---------|---|---------|--------|---------|
| 444Haz33 | Perform Surveys/Decon as read to Release Rm 138 | 0.50 | ea | EE | 376 | 188 | 3,950 | 451 | 0 | 4,401 | 1,389 | 5,790 |
| 444Haz34 | Perform Surveys/Decon as read to Release Misc. | 0.50 | ea | EE | 634 | 317 | 6,563 | 451 | 0 | 7,014 | 2,308 | 9,322 |
| 444Haz35 | Prepare Closeout Documentation | 0.50 | ea | EE | 16 | 8 | 264 | 0 | 0 | 264 | 93 | 357 |
| 444Haz4 | APPLICATION CONTAM CTL Fixative Rm 601 | 0.50 | ea | EE | 216 | 108 | 2,382 | 4,740 | 0 | 7,122 | 838 | 7,960 |
| 444Haz45 | Arrange Shipment of BeAST source to Vendor | 0.50 | ea | EE | 0 | 0 | 0 | 263 | 0 | 263 | 0 | 263 |
| 444Haz46 | Verifv and Review Procedure for Source Removal | 0.50 | ea | EE | 8 | 4 | 132 | 0 | 0 | 132 | 47 | 179 |
| 444Haz47 | Package BeAST Source for shipment | 0.50 | ea | EE | 24 | 12 | 238 | 263 | 0 | 502 | 84 | 586 |
| 444Haz48 | Activity Hazards Analysis | 0.50 | ea | EE | 11 | 5 | 157 | 130 | 0 | 287 | 55 | 342 |
| 444Haz49 | Ship BeAST Source to Vendor | 0.50 | ea | EE | 24 | 12 | 238 | 0 | 0 | 238 | 84 | 322 |
| 444Haz5 | DU REMOVAL RM202 | 0.50 | ea | EE | 2,681 | 1,341 | 30,871 | 43,329 | 0 | 74,200 | 10,857 | 85,057 |
| 444Haz50 | Develop RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 68 | 262 |
| 444Haz51 | Prepare Closeout Documentation | 0.50 | ea | EE | 0 | 0 | 0 | 455 | 0 | 455 | 0 | 455 |
| 444Haz52 | Prepare IWCP for Draining of Proc. Equip. | 0.50 | ea | EE | 77 | 39 | 1,413 | 0 | 0 | 1,413 | 497 | 1,909 |
| 444Haz53 | Activity Hazards Analysis | 0.50 | ea | EE | 11 | 5 | 157 | 91 | 0 | 248 | 55 | 303 |
| 444Haz54 | Prepare RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 68 | 262 |
| 444Haz55 | Sample and Analyze Machine Oil | 0.50 | ea | EE | 142 | 71 | 1,551 | 61,401 | 0 | 62,952 | 545 | 63,497 |
| 444Haz56 | Drain Process Equipment | 0.50 | ea | EE | 3,879 | 1,940 | 40,074 | 3,733 | 0 | 43,807 | 14,093 | 57,900 |
| 444Haz57 | Dispose of Oil from Process Equipment | 0.50 | ea | EE | 272 | 136 | 3,089 | 0 | 0 | 3,089 | 1,086 | 4,176 |
| 444Haz58 | Closeout Doc. & Update Idle Equip List | 0.50 | ea | EE | 36 | 18 | 453 | 0 | 0 | 453 | 159 | 613 |
| 444Haz59 | Verifv Analytical Data | 0.50 | ea | EE | 16 | 8 | 204 | 0 | 0 | 204 | 72 | 276 |
| 444Haz6 | DU REMOVAL B444 RM 204 | 0.50 | ea | EE | 1,064 | 532 | 12,169 | 16,790 | 0 | 28,958 | 4,279 | 33,238 |
| 444Haz60 | Determine Quantities/Disposition of Dep. Uranium | 0.50 | ea | EE | 178 | 89 | 4,754 | 3,184 | 0 | 7,937 | 1,672 | 9,609 |
| 444Haz61 | Prepare IWCP for DU Removal | 0.50 | ea | EE | 153 | 76 | 2,778 | 0 | 0 | 2,778 | 977 | 3,754 |
| 444Haz62 | Activity Hazards Analysis | 0.50 | ea | EE | 25 | 12 | 373 | 227 | 0 | 600 | 131 | 731 |
| 444Haz63 | Develop RWP | 0.50 | ea | EE | 21 | 11 | 290 | 0 | 0 | 290 | 102 | 391 |
| 444Haz64 | Prepare Du Processing Area | 0.50 | ea | EE | 436 | 218 | 4,429 | 9,496 | 0 | 13,925 | 1,557 | 15,482 |
| 444Haz65 | PROJECT CONTROL ACTIVITIES HAZ RED C444 | 0.50 | ea | EE | 0 | 0 | 0 | 40,525 | 0 | 40,525 | 0 | 40,525 |
| 444Haz66 | BUDGET & ADMIN ACT. PM & PLAN. HAZ RED C444 | 0.50 | ea | EE | 0 | 0 | 0 | 44,045 | 0 | 44,045 | 0 | 44,045 |
| 444Haz67 | Hot/Cold Laundry Support | 0.50 | each | EE | 0 | 0 | 0 | 90,965 | 0 | 90,965 | 0 | 90,965 |
| 444Haz68 | Janitorial Support | 0.50 | each | VQ | 0 | 0 | 0 | 17,283 | 0 | 17,283 | 0 | 17,283 |
| 444Haz69 | MANAGEMENT ACTIVITIES HAZ RED C444 | 0.50 | ea | EE | 1,370 | 685 | 24,498 | 359,643 | 0 | 384,141 | 8,615 | 392,756 |
| 444Haz7 | DU REMOVAL B447 RM 403 | 0.50 | ea | EE | 687 | 343 | 8,343 | 8,801 | 0 | 17,144 | 2,934 | 20,078 |
| 444Haz70 | FIELD MANAGEMENT HAZ RED C444 | 0.50 | ea | EE | 0 | 0 | 0 | 61,909 | 0 | 61,909 | 0 | 61,909 |
| 444Haz71 | Prepare Revision to PEP for D&D | 0.50 | ea | EE | 0 | 0 | 0 | 1,137 | 0 | 1,137 | 0 | 1,137 |
| 444Haz72 | Prepare QA Plan | 0.50 | ea | EE | 0 | 0 | 0 | 682 | 0 | 682 | 0 | 682 |
| 444Haz73 | Prepare Health and Safety Plan | 0.50 | ea | EE | 0 | 0 | 0 | 455 | 0 | 455 | 0 | 455 |
| 444Haz74 | Develop D&D Schedule and Cost Estimate | 0.50 | ea | EE | 0 | 0 | 0 | 2,274 | 0 | 2,274 | 0 | 2,274 |
| 444Haz75 | Prepare Waste Management Plan | 0.50 | ea | EE | 0 | 0 | 0 | 910 | 0 | 910 | 0 | 910 |
| 444Haz76 | D&D Training and Qualification Plan | 0.50 | ea | EE | 0 | 0 | 0 | 455 | 0 | 455 | 0 | 455 |
| 444Haz77 | Prepare Economic Disposition Plan | 0.50 | ea | EE | 0 | 0 | 0 | 355 | 0 | 355 | 0 | 355 |
| 444Haz78 | Develop WBS Dictionary | 0.50 | ea | EE | 0 | 0 | 0 | 5,594 | 0 | 5,594 | 0 | 5,594 |
| 444Haz79 | Develop Schedule and Cost Estimate | 0.50 | ea | EE | 0 | 0 | 0 | 2,311 | 0 | 2,311 | 0 | 2,311 |
| 444Haz8 | DU REMOVAL B444 RM 33A.32. 502 | 0.50 | ea | EE | 580 | 290 | 6,346 | 4,739 | 0 | 11,085 | 2,232 | 13,316 |
| 444Haz80 | Revise and Issue PEP REV 1 for Hazards Reduction | 0.50 | ea | EE | 0 | 0 | 0 | 12,053 | 0 | 12,053 | 0 | 12,053 |
| 444Haz81 | Revise and Issue PEP REV 2 for Hazards Reduction | 0.50 | ea | EE | 0 | 0 | 0 | 9,181 | 0 | 9,181 | 0 | 9,181 |
| 444Haz82 | Evaluate Options for Equipment Disposition | 0.50 | ea | EE | 0 | 0 | 0 | 9,096 | 0 | 9,096 | 0 | 9,096 |
| 444Haz83 | Develop Decision Doc. for Equipment Disposition | 0.50 | ea | EE | 0 | 0 | 0 | 9,096 | 0 | 9,096 | 0 | 9,096 |
| 444Haz84 | Review/Revise Authorization Basis | 0.50 | ea | EE | 0 | 0 | 0 | 9,096 | 0 | 9,096 | 0 | 9,096 |
| 444Haz85 | Eval D&D Staff & Office Space Req. | 0.50 | ea | EE | 0 | 0 | 0 | 4,548 | 0 | 4,548 | 0 | 4,548 |
| 444Haz86 | Perform Equipment Accountability | 0.50 | ea | EE | 0 | 0 | 0 | 36,841 | 0 | 36,841 | 0 | 36,841 |
| 444Haz87 | IWCP Planning | 0.50 | ea | EE | 90 | 45 | 1,631 | 0 | 0 | 1,631 | 573 | 2,204 |
| 444Haz88 | SES/ORC Reviews | 0.50 | ea | EE | 18 | 9 | 265 | 0 | 0 | 265 | 93 | 358 |
| 444Haz89 | RWP Prep/Alara Review/JHA Dymnt | 0.50 | ea | EE | 21 | 11 | 290 | 0 | 0 | 290 | 102 | 391 |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | | | | | |
|------------------------------|--|-------|----|----|--------|--------|-----------|-----------|---------|-----------|---------|-----------|
| 444Haz9 | Prepare DU Removal Closeout Documentation | 0.50 | ea | EE | 16 | 8 | 221 | 0 | 0 | 221 | 78 | 299 |
| 444Haz90 | Sample Request | 0.50 | ea | EE | 7 | 4 | 98 | 0 | 0 | 98 | 35 | 133 |
| 444Haz91 | Perform Sampling | 0.50 | ea | EE | 40 | 20 | 427 | 0 | 0 | 427 | 150 | 577 |
| 444Haz92 | Receive Sample Results | 0.50 | ea | EE | 0 | 0 | 0 | 6.822 | 0 | 6.822 | 0 | 6.822 |
| 444Haz93 | IWCP Planning for Packaging | 0.50 | ea | EE | 77 | 39 | 1,413 | 0 | 0 | 1,413 | 497 | 1,909 |
| 444Haz94 | SES/ORC Reviews for Packaging | 0.50 | ea | EE | 21 | 11 | 290 | 0 | 0 | 290 | 102 | 391 |
| 444Haz95 | RWP Prep/Alara Review/JHA Dvmnt for Pking | 0.50 | ea | EE | 11 | 5 | 157 | 273 | 0 | 430 | 55 | 485 |
| 444Haz96 | Activitv Hazards Analysis | 0.50 | ea | EE | 18 | 9 | 246 | 114 | 0 | 359 | 86 | 446 |
| 444Haz97 | Prepare RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 68 | 262 |
| 444Haz98 | Prepare Engineering/ IWCP for Deeneraization | 0.50 | ea | EE | 133 | 66 | 2,339 | 6,552 | 0 | 8,891 | 823 | 9,714 |
| 444Haz99 | Verifv/Review Procedure for Source Removal | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 41 | 159 |
| 444Lhaz27 | Prepare Transfer/Shipping Documentation | 0.50 | ea | EE | 16 | 8 | 204 | 0 | 0 | 204 | 72 | 276 |
| 444Lhaz36 | Identify Legacy Oil | 0.50 | ea | EE | 24 | 12 | 306 | 0 | 0 | 306 | 108 | 413 |
| 444Lhaz38 | Evaluate Disposition of Oil | 0.50 | ea | EE | 24 | 12 | 306 | 0 | 0 | 306 | 108 | 413 |
| 444Lhaz40 | Sample Drums | 0.50 | ea | EE | 965 | 482 | 10,522 | 0 | 0 | 10,522 | 3,700 | 14,222 |
| 444Lhaz41 | Analyze Samples | 18.50 | ea | VQ | 4 | 66 | 1,677 | 16,828 | 0 | 18,505 | 590 | 19,095 |
| 444Lhaz42 | Prepare Drums for Transfer | 0.50 | ea | EE | 256 | 128 | 2,791 | 4,513 | 0 | 7,305 | 982 | 8,286 |
| 444Lhaz43 | Transfer Oil | 0.50 | ea | EE | 32 | 16 | 349 | 2,274 | 0 | 2,623 | 123 | 2,746 |
| 444Lhaz44 | Prepare Closeout Documentation | 0.50 | ea | EE | 24 | 12 | 306 | 0 | 0 | 306 | 108 | 413 |
| 444PEREM1 | Process Equipment Removal -Carbon shop | 0.50 | ea | EE | 4,207 | 2,103 | 47,684 | 22,567 | 0 | 70,251 | 16,769 | 87,020 |
| 444PErem10 | Process Equipment Removal -Basement | 0.50 | ea | EE | 9,756 | 4,878 | 110,043 | 90,268 | 0 | 200,311 | 38,699 | 239,010 |
| 444PErem11 | Process Equipment Removal -Second Floor | 0.50 | ea | EE | 4,900 | 2,450 | 55,416 | 90,268 | 0 | 145,685 | 19,488 | 165,173 |
| 444PErem12 | Process Equipment Removal -Be Shop | 0.50 | ea | EE | 9,667 | 4,834 | 108,462 | 135,402 | 0 | 243,865 | 38,143 | 282,008 |
| 444PERem2 | Process Equipment Removal -Precision Shop | 0.50 | ea | EE | 8,573 | 4,287 | 97,636 | 22,567 | 0 | 120,203 | 34,336 | 154,538 |
| 444PErem3 | Process Equipment Removal -Utility Areas | 0.50 | ea | EE | 4,207 | 2,103 | 47,684 | 22,567 | 0 | 70,251 | 16,769 | 87,020 |
| 444PERem4 | Process Equipment Removal -Admin Area | 0.50 | ea | EE | 4,207 | 2,103 | 49,726 | 22,567 | 0 | 72,293 | 17,487 | 89,780 |
| 444PErem5 | Process Equipment Removal -Stress Relief | 0.50 | ea | EE | 4,207 | 2,103 | 49,726 | 22,567 | 0 | 72,293 | 17,487 | 89,780 |
| 444PErem6 | Process Equipment Removal -Room 101 | 0.50 | ea | EE | 16,668 | 8,334 | 186,770 | 135,402 | 0 | 322,172 | 65,682 | 387,854 |
| 444PErem7 | Process Equipment Removal -Room 601/602 | 0.50 | ea | EE | 4,847 | 2,423 | 54,327 | 90,268 | 0 | 144,595 | 19,105 | 163,701 |
| 444PErem8 | Process Equipment Removal -B447 | 0.50 | ea | EE | 9,454 | 4,727 | 104,810 | 90,268 | 0 | 195,079 | 36,859 | 231,938 |
| 444PErem9 | Process Equipment Removal -Room 104/109 | 0.50 | ea | EE | 4,900 | 2,450 | 55,416 | 90,268 | 0 | 145,685 | 19,488 | 165,173 |
| 444persrelo1 | Identify Non-Essential personnel | 0.50 | ea | EE | 40 | 20 | 1,070 | 0 | 0 | 1,070 | 376 | 1,446 |
| 444persrelo2 | Find Space for Non-Essential Personnel | 0.50 | ea | EE | 40 | 20 | 1,070 | 0 | 0 | 1,070 | 376 | 1,446 |
| 444persrelo3 | Prepare Personnel Move Documentation | 0.50 | ea | EE | 32 | 16 | 561 | 0 | 0 | 561 | 197 | 758 |
| 444persrelo4 | Move Personnel | 0.50 | ea | EE | 128 | 64 | 3,423 | 16,654 | 0 | 20,077 | 1,204 | 21,280 |
| 444persrelo5 | Prepare Closeout Documentation | 0.50 | ea | EE | 7 | 4 | 190 | 0 | 0 | 190 | 67 | 257 |
| 444proEap30 | Deeneraize Process Equipment | 0.50 | ea | EE | 2,363 | 1,181 | 27,145 | 0 | 0 | 27,145 | 9,546 | 36,691 |
| 444proEap31 | Closeout Documentation & Drawing Updates | 0.50 | ea | EE | 0 | 0 | 0 | 12,735 | 0 | 12,735 | 0 | 12,735 |
| 444proprem32 | Activitv Hazards Analysis | 0.50 | ea | EE | 18 | 9 | 246 | 114 | 0 | 359 | 86 | 446 |
| 444proprem33 | Prepare RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 68 | 262 |
| 444proprem34 | Prepare Engineering/ IWCP for Deeneraization | 0.50 | ea | EE | 133 | 66 | 2,339 | 6,552 | 0 | 8,891 | 823 | 9,714 |
| SYS | Contingency And Escalation | 1.00 | ea | EE | 0 | 0 | 0 | 0 | 773,914 | 773,914 | 0 | 773,914 |
| Total for Activity 1EDC5022: | | | | | | 84,620 | 1,889,369 | 2,082,950 | 773,914 | 4,746,233 | 664,438 | 5,410,671 |

Line Item 444CES0010 - Flush Cooling Tower -B457

| | |
|-----|--|
| BOE | <p>Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for Flushing the cooling tower</p> <p>Experience Item Desc - Building Decommissioning</p> <p>Breakdown of Cost Data: Item - Flushing cooling tower Units - lot Unit Cost - 810 hours \$10,000 ODCS Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A</p> |
|-----|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------|--------------------|---|--------------------------------|------------|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| Factors 540 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 240.12 | Hours |
| Factors 270 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 9.026.82 | Dollars |
| Factors 10000 Dollars | | 1.015 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444CES0011 - Stripout -B457

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for stripping out the cooling tower

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:

Item -Colling tower stripout

Units - Hours

Unit Cost - 715

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-------------------|----------------------|---|---------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L050 | MISSION SUP SPEC I (CBLFAB.DSP. | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| Factors 540 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 88.93 | Hours |
| Factors 100 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 751 | OVERTIME BASE & PRE. | L050 | MISSION SUP SPEC I (CBLFAB.DSP. | KE10H | Indust/Site Srvs Steelworkers | Linear | 66.70 | Hours |
| Factors 75 hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444CES0020 - Process Equipment Removal -B455

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for Equipment removal in B455

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:

Item - Equipment Removal

Units - hours

Unit Cost - 3853

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------------|--------------------|---|--------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 2.307.84 | Hours |
| Factors 2595 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---|----------------------|-------|------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC | KE10H | Indust/Site Srvs Steelworkers | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 461.57 | Hours |
| Factors | 519 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 461.57 | Hours |
| Factors | 519 | Hours | | | | | | |
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | HOURS | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444CES0030 - Process Equipment Removal -B427

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for B427. Experience Item Desc - Removal of equipment Breakdown of Cost Data: Item - Equipment Removal Units - 1) Hours 2) Dollars Unit Cost - 1) 3,109 2) \$1,800 ODC's Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|----------------------|---------|------------------------------|------------|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,307.84 | Hours |
| Factors | 2595 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | C232S | NG Vehicle/Equip Maintenance | Linear | 21.34 | Hours |
| Factors | 24 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 213.44 | Hours |
| Factors | 240 | Hours | | | | | | |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | | | | | |
| A5L | RENTALS | 0000 | NONE | C232S | NG Vehicle/Equip Maintenance | Linear | 1,624.83 | Dollars |
| Factors | 1800 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |

Line Item 444CES0040 - Flush Cooling Tower-B454

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| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to flush cooling tower. Experience Item Desc - Building Decommissioning Breakdown of Cost Data: Item - Coolin tower Flush Units - lot Unit Cost - 775 hours, \$10,000 odc's Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------------------|--------------|--------------------|-------|---------------------------------|------------|-------------------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | L050 | MISSION SUP SPEC I (CBLFAB.DSP. | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| <i>Factors</i> 540 Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
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WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

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|---|----------------------|-------|------------------------------|-------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,307.84 | Hours |
| Factors | 2595 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 213.44 | Hours |
| Factors | 240 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 461.57 | Hours |
| Factors | 519 | Hours | | | | | | |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC | KE10H | Indust/Site Srvs Steelworkers | Linear | 209.00 | Hours |
| Factors | 235 | HOURS | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444CESO060 - Process Equipment Removal -B451

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|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for B451. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: Item - Process Equipment Removal - B451 Units - Hours Unit Cost - 386 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units | |
|-----------|----------------------|--------------------|------------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|----------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC | WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 213.44 | Hours |
| Factors | 240 | Hours | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | | Linear | 42.69 | Hours | |
| Factors | 48 | Hours | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P070 | COST ESTIMATORS PLANNERS AN | C106S | Business Management Office | | Linear | 42.69 | Hours | |
| Factors | 48 | Hours | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC | WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 44.47 | Hours | |
| Factors | 50 | HOURS | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444CESO070 - Process Equipment Removal -B453

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to remove equipment from B453 | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: Item - Equipment Removal Units - hours Unit Cost - 1,300 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

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|-----------|--------------|-------|------------|-------|----------|-------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

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|---------|----------------------|-------|--------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| Factors | 540 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Manaaement | Linear | 240.12 | Hours |
| Factors | 270 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 240.12 | Hours |
| Factors | 270 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | HOURS | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444CESO071 - Stripout -B453

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|-----|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to stripout B453. Experience Item Desc - Building Decommissioning Breakdown of Cost Data: Item - Utility Isolation and Reroute Units - Hours Unit Cost - 1350 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|----------------------|---|--------------------------------|------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 240.12 | Hours |
| Factors | 270 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| Factors | 540 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 106.72 | Hours |
| Factors | 120 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 240.12 | Hours |
| Factors | 270 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444CESO072 - Decon B453

| | |
|-----|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to decontaminate B453. Experience Item Desc - Building Decommissioning Breakdown of Cost Data: Item - Utility Isolation and Reroute Units - Hours Unit Cost - 840 Unit Cost Adjustment factor - N/A |
|-----|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-------------------|---------------------|--|--------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 533.61 | Hours |
| Factors 600 Hours | | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 106.72 | Hours |
| Factors 120 Hours | | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 751 | OVERTIME BASE & PRE | L060 | MISSION SUP SPEC II /FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 53.36 | Hours |
| Factors 60 hours | | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |

Line Item 444Haz1 - Verify and Review Survey/Decon Procedures

BOE

Estimators Experience - B444 Radiological Engineer - 10 Years experience. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish this procedure review.
Experience Item Desc - Procedure Review
Breakdown of Cost Data:
Item - Procedure Review
Units - Lot
Unit Cost - 18 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|--|------------------------------|------------|-----------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C100S | Closure Site Services | Linear | 16.01 | Hours |
| Factors 18 Hours | | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |

Line Item 444Haz10 - Remove and Repack Legacy Waste

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal Legacy Waste crates and drums from B444.
Experience Item Desc - Waste repackaging
Breakdown of Cost Data:
Item - Legacy Waste Repacking and Removal
Units - Lot
Unit Cost -11883 hours \$182000 ODC
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -Estimators Experience - B444 Line Manager
Experience Item Desc - Legacy waste repackaging
Breakdown of Cost Data:
Item - Legacy waste drums and crates
Units - lot
Unit Cost - 3,582 hours of RCT support,766 hours of supervision, 1899 hours of waste certification, 5,436 hours of D&D worker, 107,000 of supplies , waste crates and analytical samples. \$75,000 for SCBA leasing.
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------------|--------------------|--|--------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II /FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,688.86 | Hours |
| Factors 1899 Hours | | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---|----------------------|----------|------------------------------|-------|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 4,834.46 | Hours |
| Factors | 5436 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | 681.24 | Hours |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C100S | Closure Site Services | Linear | | |
| Factors | 766 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | 3,185.62 | Hours |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | | |
| Factors | 3582 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | 177.87 | Hours |
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | | |
| Factors | 200 | ot hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | 96,586.98 | Dollars |
| A5C | SUPPLIES | 0000 | NONE | C100S | Closure Site Services | Linear | | |
| Factors | 107000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | 67,701.16 | Dollars |
| A5C | SUPPLIES | M010 | FOREMEN / TEAM LEADS / GROUP | C100S | Closure Site Services | Linear | | |
| Factors | 75000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz100 - Make Room for Sources in B126

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to make room for sources in B126. | | | | | | | |
| | Experience Item Desc - Moving equipment | | | | | | | |
| | Breakdown of Cost Data: Item - Making room Units - Hours Unit Cost - 8 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|-------------------------------|--------------------|-------|-------------------|------------|-----------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
| | <i>Factors</i> 8 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz101 - Prepare Documentation for Source Transfer

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare documentation for source removal from B444. | | | | | | | |
| | Experience Item Desc - Document Preparing | | | | | | | |
| | Breakdown of Cost Data: Item - Document Units - Hours Unit Cost - 8 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|-------------------|------------|-----------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
| Factors | 8 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz102 - Survey Source Containers

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to survey source containers. | | | | | | | | | |
| | Experience Item Desc - Radiological and Be surveys | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Surveys | | | | | | | | | |
| | Units - 1) Hours 2) Dollars | | | | | | | | | |
| | Unit Cost - 1) 18 2) \$775 ODCs | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|---|--|---|------------------------------|------------|-------------------------------|--------|----------|---------|
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | A5H | SUBCONTRACTED SRVS | | 0000 | NONE | C100S | Closure Site Services | Linear | 240.15 | Dollars |
| Factors | 264 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| | A5H | SUBCONTRACTED SRVS | | P090 | INDUSTRIAL HYGIENISTS | C100S | Closure Site Services | Linear | 473.93 | Dollars |
| Factors | 521 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |

Line Item 444Haz103 - Prepare Sources for Transfer

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare sources for transfer. | | | | | | | | | |
| | Experience Item Desc - Shipping preparation | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Preparing sources for transfer | | | | | | | | | |
| | Units - Hours | | | | | | | | | |
| | Unit Cost - 104 | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---|------------|-------------------------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Svcs Steelworkers | Linear | 56.03 | Hours |
| Factors | 63 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 36.46 | Hours | |
| Factors | 41 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz104 - Transfer Sources to B126

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to transfer sources. | | | | | | | | | |
| | Experience Item Desc - Equipment transportation | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Equipment transportation | | | | | | | | | |
| | Units - Hours | | | | | | | | | |
| | Unit Cost - 5 | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 4.45 | Hours |
| | Factors | 5 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz105 - Prepare Closeout Documentation

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare closeout documentation. Experience Item Desc - Dcoument Preparation Breakdown of Cost Data: Item - Closeout Document Units - Hours Unit Cost - 8 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|-----------------|--------------------|-------|-------------------|------------|-----------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C100S | Closure Site Services | Linear | 7.11 | Hours |
| | Factors 8 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz106 - Overpack/Stabilize Drums for Shipment

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to DU chip processing. Experience Item Desc - Du processing Breakdown of Cost Data: Item - Du chip processing Units - 1) Hours 2) Dollars Unit Cost 1) 135 2) \$5,000 ODCs Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|--|----------------------|-------------------------------|-------------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 72.04 | Hours |
| Factors | 81 | Hours | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C210S | Facilities Mamt & Maintenance | Linear | 24.01 | Hours | |
| Factors | 27 | Hours | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 24.01 | Hours | |
| Factors | 27 | Hours | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C100S | Closure Site Services | Linear | 4.513.41 | Dollars | |
| Factors | 5000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz107 - Ship Drums

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

based on the lowest level of support required to ship drums.

Experience Item Desc - Drum shipment

Breakdown of Cost Data:
Item - Ship Drums
Units - 1) Hours 2) Dollars
Unit Cost - 1) 27 2) \$13,000 ODCs
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|---|--------------------|--------------|-------------------------------|------------|-------------------------------|----------|-------------------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | C232S | NG Vehicle/Equip Maintenance | Linear | 10.67 Hours |
| Factors | 12 | Hours | | | | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 13.34 Hours |
| Factors | 15 | Hours | | | | | |
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C210S | Facilities Mamt & Maintenance | Linear | 11.825.39 Dollars |
| Factors | 13000 | Dollars | 1.02283 -- FY00 Escalation -- | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |

Line Item 444Haz108 - Prepare Closeout Documentation

| | | | | | | | |
|-----|---|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Cosout documentation. | | | | | | |
| | Experience Item Desc - Document Preparation | | | | | | |
| | Breakdown of Cost Data: Item - Closeout Document Units - Hours Unit Cost - 18 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|---|--------------------|--------------|-----------------------|------------|-------------------|----------|-------------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 16.01 Hours |
| Factors | 18 | Hours | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |

Line Item 444Haz11 - Prepare Legacy Waste Closeout Documentation

| | | | | | | | |
|-----|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish preparing closeout documentation. | | | | | | |
| | Breakdown of Cost Data: Item - Closeout Documentation Units - Lot Unit Cost -40 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|---|--------------------|--------------|-----------------------|------------|-------------------------|----------|-------------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 35.57 Hours |
| Factors | 40 | Hours | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz12 - Prepare IWCP for Legacy Waste Repack

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 202. Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - iwcp Units - Lot Unit Cost -119 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|-------|------------------------------|------------|----------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C214S | Building Maintenance | Linear | 48.02 | Hours |
| Factors 54 Hours | | | | | | | | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C214S | Building Maintenance | Linear | 57.81 | Hours |
| Factors 65 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz13 - Activity Hazards Analysis

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish activity hazards analysis. Experience Item Desc - Hazard Analysis Breakdown of Cost Data: Item - Activity Hazard Analysis Units - Lot Unit Cost -32 hours \$500 ODC Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---------------------|--------------------|-------------------------------|------------------------------|------------|-------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 14.23 | Hours |
| Factors 16 Hours | | | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C222S | Water System Operations | Linear | 14.23 | Hours |
| Factors 16 Hours | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water System Operations | Linear | 454.82 | Dollars |
| Factors 500 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz14 - Develop RWP

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish development of RWP's. Experience Item Desc - RWP development Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost -40 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--|-------|--|------------|--|-------|----------|-------|
|--------------|--|-------|--|------------|--|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C214S | Building Maintenance | Linear | 7.11 | Hours |
| Factors | 8 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C214S | Building Maintenance | Linear | 14.23 | Hours |
| Factors | 16 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 14.23 | Hours |
| Factors | 16 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz15 - Prepare Legacy Waste Processing Area

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish preparation of a processing area for legacy waste. Experience Item Desc - Building containment structures Breakdown of Cost Data: Item - Processing area containment structure Units - Lot Unit Cost -490 hours, \$21,024 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|-----------|--------------|--------------------|--|---------|------------------------------|------------|-------|-------------------------------|----------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KE10H | Indust/Site Srvs Steelworkers | Linear | 320.16 | Hours |
| Factors | 360 | Hours | | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C214S | Building Maintenance | Linear | 35.57 | Hours |
| Factors | 40 | Hours | | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | | KE10H | Indust/Site Srvs Steelworkers | Linear | 80.04 | Hours |
| Factors | 90 | Hours | | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | A5C | SUPPLIES | | 0000 | NONE | | C214S | Building Maintenance | Linear | 17,150.96 | Dollars |
| Factors | 19000 | Dollars | | 1.015 | -- FY00 Escalation -- | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | A5H | SUBCONTRACTED SRVS | | P090 | INDUSTRIAL HYGIENISTS | | C101S | Health & Safety | Linear | 1,841.12 | Dollars |
| Factors | 2024 | Dollars | | 1.02283 | -- FY00 Escalation -- | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

Line Item 444Haz16 - WASTE PACKING rm 601, 602

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packing Breakdown of Cost Data: Item - Waste Packing Units - 1 Lot Unit Cost -5,643 hours, \$93,545 Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------------|--------------|--------------------|-------|------------|------------|-------------------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 224.11 | Hours |
| Factors 252 Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|----------|----------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 905.35 | Hours |
| Factors | 1018 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 136.96 | Hours |
| Factors | 154 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water Svstem Operations | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 482.91 | Hours |
| Factors | 543 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,986.41 | Hours |
| Factors | 3358 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | ot hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 75,825.30 | Dollars |
| Factors | 84000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water System Operations | Linear | 7,368.13 | Dollars |
| Factors | 8100 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

Line Item 444Haz17 - Prepare IWCP for Fixative Application

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish prepare IWCP. Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - IWCP Units - Lot Unit Cost -119 hours Unit Cost Adjustment factor - Revised Unit Cost - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|---|---------------------------|------------|----------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C214S | Building Maintenance | Linear | 48.02 | Hours |
| Factors | 54 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C214S | Building Maintenance | Linear | 57.81 | Hours |
| Factors | 65 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz18 - Ver. /Rev. Existing IWCP, WGI, RWP, and AHA

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to verify procedures. Experience Item Desc - Procedure verification Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -12 hours, \$500 ODCs Unit Cost Adjustment factor - Revised Unit Cost - | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-------------------------------|------------|-------------------------|---|----------|---------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 10.67 | Hours |
| Factors | 12 | Hours | | | | | | | |
| | A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 454.82 | Dollars |
| Factors | 500 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz19 - WASTE PACKING RM 101

| | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|
| BOE | EEstimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packaging Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -7968 hours, \$69809 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|----------------------|-------|--------------------------------|------------|-------------------------------|---|-----------|---------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Svrs Steelworkers | Linear | 320.16 | Hours |
| Factors | 360 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Svrs Steelworkers | Linear | 1,316.23 | Hours |
| Factors | 1480 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 195.66 | Hours |
| Factors | 220 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water Svstem Operations | Linear | 32.02 | Hours |
| Factors | 36 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 670.56 | Hours |
| Factors | 754 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 4,284.85 | Hours |
| Factors | 4818 | Hours | | | | | | | |
| | 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | OT hours | | | | | | | |
| | A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 46,578.40 | Dollars |
| Factors | 51600 | Dollars | | 1.015 -- FY00 Escalation -- | | | | | |
| | A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 16,563.74 | Dollars |
| Factors | 18209 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz2 - Develop Survey Plans

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - Radiological Engineer B444 - 10 years experience. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish the development of the survey plans. | | | | | | | | | |
| | Experience Item Desc - Development of Survey Plans | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item -Survey Plan | | | | | | | | | |
| | Units - Lot | | | | | | | | | |
| | Unit Cost - 50 Hours | | | | | | | | | |
| | Unit Cost Adjustment factor - | | | | | | | | | |
| | Revised Unit Cost - | | | | | | | | | |
| | Basis for adjustment - | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 35.57 | Hours |
| Factors 40 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 8.89 | Hours |
| Factors 10 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz20 - WASTE PACKING B447

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B447. | | | | | | | | | |
| | Experience Item Desc - Waste Packing | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Waste Packing | | | | | | | | | |
| | Units - Lot | | | | | | | | | |
| | Unit Cost -3161 hours, \$32283 ODCs | | | | | | | | | |
| | Unit Cost Adjustment factor - | | | | | | | | | |
| | Revised Unit Cost - | | | | | | | | | |
| | Basis for adjustment - | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------------|--------------------|---|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 160.08 | Hours |
| Factors 180 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC | KE10H | Indust/Site Srvs Steelworkers | Linear | 546.06 | Hours |
| Factors 614 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,521.66 | Hours |
| Factors 1711 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 106.72 | Hours |
| Factors 120 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 97.83 | Hours |
| Factors 110 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C104S | Closure Management | Linear | 16.01 | Hours |
| Factors 18 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 296.15 | Hours |
| Factors 333 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|----------|-------------------------------|-------|-------------------------------|---|-----------|---------|
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svcs Steelworkers | Linear | 66.70 | Hours |
| Factors | 75 | ot hours | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 22.567.05 | Dollars |
| Factors | 25000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 6.624.95 | Dollars |
| Factors | 7283 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz21 - WASTE PACKING RM 104, 109 areas

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | EEstimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packing Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -3151 hours, \$32283 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

Resources

| Cost Element | | | Skill | Department | | Curve | Quantity | Units |
|---|----------------------|----------|---|----------------------------------|-------|-------------------------------|----------|------------------|
| 750 | STRAIGHT TIME BASE | | C010 | CARPENTERS | KE10H | Indust/Site Svcs Steelworkers | Linear | 160.08Hours |
| Factors | 180 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 | STRAIGHT TIME BASE | | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KE10H | Indust/Site Svcs Steelworkers | Linear | 546.06Hours |
| Factors | 614 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 106.72Hours |
| Factors | 120 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 | STRAIGHT TIME BASE | | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 97.83Hours |
| Factors | 110 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 | STRAIGHT TIME BASE | | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water System Operations | Linear | 16.01Hours |
| Factors | 18 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 296.15Hours |
| Factors | 333 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 1,521.66Hours |
| Factors | 1711 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| 751 | OVERTIME BASE & PRE. | | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 57.81Hours |
| Factors | 65 | ot hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | C222S | Water System Operations | Linear | 22,567.05Dollars |
| Factors | 25000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| A5H | SUBCONTRACTED SRVS | | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 6,624.95Dollars |
| Factors | 7283 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444Haz22 - WASTE PACKING Basement

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444.
Experience Item Desc - Waste Packing
Breakdown of Cost Data:
Item - Waste Packing
Units - Lot
Unit Cost -9078 hours, \$76209 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|----------------------|-------|--------------------------------|------------|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Svcs Steelworkers | Linear | 320.16 | Hours |
| Factors 360 Hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Svcs Steelworkers | Linear | 1,316.23 | Hours |
| Factors 1480 Hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 320.16 | Hours |
| Factors 360 Hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 195.66 | Hours |
| Factors 220 Hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C104S | Closure Management | Linear | 32.02 | Hours |
| Factors 36 Hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 670.56 | Hours |
| Factors 754 Hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 5,174.19 | Hours |
| Factors 5818 Hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 44.47 | Hours |
| Factors 50 ot hours | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 52,355.56 | Dollars |
| Factors 58000 Dollars 1.015 -- FY00 Escalation -- | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 16,563.74 | Dollars |
| Factors 18209 Dollars 1.02283 -- FY00 Escalation -- | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444Haz23 - WASTE PACKING Mezzanine

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444.
Experience Item Desc - Waste Packing
Breakdown of Cost Data:
Item - Waste Packing
Units - Lot
Unit Cost -5271 hours, \$562910DCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|----------------------|-------------------------------|--------------------------------|---|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 256.13 | Hours |
| Factors | 288 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 908.91 | Hours |
| Factors | 1022 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 156.52 | Hours |
| Factors | 176 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water Svstem Operations | Linear | 32.02 | Hours |
| Factors | 36 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 486.47 | Hours |
| Factors | 547 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,616.44 | Hours |
| Factors | 2942 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | ot hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 39,718.01 | Dollars |
| Factors | 44000 | Dollars | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| | | 1.015 -- FY00 Escalation -- | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 11,180.46 | Dollars |
| Factors | 12291 | Dollars | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |

Line Item 444Haz24 - WASTE PACKING Be Shop

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packing Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -5,663 hours, \$118,057 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|--------------------------------|---|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 179.65 | Hours |
| Factors | 202 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 635.88 | Hours |
| Factors | 715 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 151.19 | Hours |
| Factors | 170 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|----------|-------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 109.39 | Hours |
| Factors | 123 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water Svstem Operations | Linear | 22.23 | Hours |
| Factors | 25 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 778.17 | Hours |
| Factors | 875 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 2.275.83 | Hours |
| Factors | 2559 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | ot hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 23.289.20 | Dollars |
| Factors | 25800 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 7.825.68 | Dollars |
| Factors | 8603 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz25 - Closeout Documentation

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closeout documentation. Experience Item Desc - closeout documentation Breakdown of Cost Data: Item - closeout document Units - Lot Unit Cost -28 hours, Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|-----------------------|------------|-------------------------|---------|--------------|--------------------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 24.90 | Hours |
| | Factors | 28 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

Line Item 444Haz26 - Perform Surveys/Decon as reqd to Release Basemnt

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -1125 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| | | | | | | | | | |
|-----------|------------------------------|--------------------|--------------|------------------------------|-------------------|-------------------------------|--------------|---------------------------------|--------------|
| Resources | <i>Cost Element</i> | | <i>Skill</i> | | <i>Department</i> | | <i>Curve</i> | <i>Quantity</i> | <i>Units</i> |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 920.47 | Hours |
| | <i>Factors</i> 1035 Hours | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|-------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 80.04 | Hours |
| Factors | 90 | Hours | | | | | | |

| | | | | | | | | |
|---------|----------|---------|-------|-----------------------|-------------------------|--------|--------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz27 - Document and Depost areas as completed

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish documentation and deposting of areas. Experience Item Desc - documentation and deposting of areas Breakdown of Cost Data: Item - documentation and deposting of areas Units - Lot Unit Cost -250 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-------------------|------------|-------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C222S | Water System Operations | Linear | 222.34 | Hours |
| | Factors | 250 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz28 - Perform Surveys/Decon as reqd to Release NDT

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -425 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| | | | | | | | | | | |
|-----------|--------------|--------------------|-------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 344.18 | Hours |
| | Factors | 387 | Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - System

| | | | | | | | | |
|---------|--------------------|-------|-------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 33.79 | Hours |
| Factors | 38 | Hours | | | | | | |

| | | | | | | | | |
|---------|----------|---------|-------|-----------------------|-------------------------|--------|--------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz29 - Perform Surveys/Decon as reqd to Release B447

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -713 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - |
|-----|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-------------------------------|------------|-------------------------------|---------|---------------------------------|---------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 610.09 | Hours |
| Factors | 686 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | | | |
| | A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz3 - APPLICATION CONTAM CTL Be Shop

| | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Line Manager, 18 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish the application of fixative. Experience Item Desc - Previous fixative application in building Breakdown of Cost Data: Item - Fixative application Units - lot Unit Cost - 72 hours, \$2482 of subcontracted Indutrial Hygenist support \$14482 ODC Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|---------|-------------------------------|------------|-------------------------------|---------|---------------------------------|---------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 48.02 | Hours |
| Factors | 54 | Hours | | | | | | | |
| | A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 10.83219 | Dollars |
| Factors | 12000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 2.25774 | Dollars |
| Factors | 2482 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz30 - Perform Surveys/Decon as reqd to Release B448

| | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -389 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 312.16 | Hours |
| Factors | 351 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 33.79 | Hours |
| Factors | 38 | Hours | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz31 - Perform Surveys/Decon as reqd to Release Rm 179

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -972 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | | | |
|-----------|--------------|--------------------|---------|-------|-------------------------------|------------|-------------------------------|-------------------------|-----------------------|---------------------------------|---------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 720.37 | Hours | |
| | Factors | 810 | Hours | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 144.07 | Hours | |
| | Factors | 162 | Hours | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | A5C | SUPPLIES | | 0000 | NONE | | C222S | Water System Operations | Linear | 902.68 | Dollars |
| | Factors | 1000 | Dollars | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | | | | | | | | 1.015 | -- FY00 Escalation -- | | |

Line Item 444Haz32 - Perf Surv/Decon as reqd to Release B453

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -425 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | | | | |
|-----------|--------------|--------------------|---------|-------|-------------------------------|------------|-------|-------------------------------|----------|---------------------------------|--------|---------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | | |
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | | KE10H | Indust/Site Srvs Steelworkers | Linear | 344.18 | Hours | |
| | Factors | 387 | Hours | | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | | |
| | 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | Linear | 33.79 | Hours | |
| | Factors | 38 | Hours | | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | | |
| | A5C | SUPPLIES | | 0000 | NONE | | C222S | Water System Operations | | Linear | 902.68 | Dollars |
| | Factors | 1000 | Dollars | | 1.015 -- FY00 Escalation -- | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz33 - Perform Surveys/Decon as reqd to Release Rm 138

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Breakdown of Cost Data:
Item - Decontamination
Units - Lot
Unit Cost -423 hours, \$1000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 312.16 | Hours |

Factors 351 Hours

| | | | | | | | | |
|-----|--------------------|------|-------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 64.03 | Hours |
|-----|--------------------|------|-------------------------------|-------|-------------------------------|--------|-------|-------|

Factors 72 Hours

| | | | | | | | | |
|-----|----------|------|------|-------|-------------------------|--------|--------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 902.68 | Dollars |
|-----|----------|------|------|-------|-------------------------|--------|--------|---------|

Factors 1000 Dollars

1.015 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz34 - Perform Surveys/Decon as reqd to Release Misc.

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination.

Experience Item Desc - Decontamination

Breakdown of Cost Data:
Item - Decontamination
Units - Lot
Unit Cost -713 hours, \$1000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 24.01 | Hours |

Factors 27 Hours

| | | | | | | | | |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 610.09 | Hours |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|--------|-------|

Factors 686 Hours

| | | | | | | | | |
|-----|----------|------|------|-------|--------------------|--------|--------|---------|
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Manaaement | Linear | 902.68 | Dollars |
|-----|----------|------|------|-------|--------------------|--------|--------|---------|

Factors 1000 Dollars

1.015 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz35 - Prepare Closeout Documentation

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closeout documentation.

Experience Item Desc - closeout documentation

Breakdown of Cost Data:
Item - closeout document
Units - Lot
Unit Cost -18 hours,
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--|-------|--|------------|--|-------|----------|-------|
|--------------|--|-------|--|------------|--|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC0522

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|-------------------|-------|-------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C222S | Water Svstem Operations | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz4 - APPLICATION CONTAM CTL Fixative Rm 601

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Line Manager. 18 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish the application of fixative. Experience Item Desc - Previous fixative application in building Breakdown of Cost Data: Item - Fixative application Units - lot Unit Cost - 243 hours, \$10,482 ODC Unit Cost Adjustment factor - Revised Unit Cost - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|-------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 192.10 | Hours |
| Factors | 216 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|----------|---------|-----------------------------|-------|-------------------------|--------|----------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 7.221.46 | Dollars |
| Factors | 8000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|-------------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 2.257.74 | Dollars |
| Factors | 2482 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz45 - Arrange Shipment of BeAST source to Vendor

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to arrange for shipment of BeAST sources. Experience Item Desc - Breakdown of Cost Data: Item - Beast Source Units - Lot Unit Cost \$579 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------------------------------|-----------------------|------------|-----------------|--------|----------|---------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 526.68 | Dollars |
| | Factors | 579 Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz46 - Verify and Review Procedure for Source Removal

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to verify/review procedures. Experience Item Desc - procedure review Breakdown of Cost Data: Item - procedure review Units - Lot Unit Cost -9 hours, Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Proiect
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-------------------|------------|-----------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safetv | Linear | 8.00 | Hours |

Factors 9 Hours

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz47 - Package BeAST Source for shipment

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to package BeAST sources for shipment.

Experience Item Desc - Radiological packaging

Breakdown of Cost Data:

Item - Source Packaging

Units - Lot

Unit Cost -27 hours, \$579 ODCs

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------|------------|--------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KD10H | 776 Complex Steelworkers | Linear | 16.01 | Hours |

Factors 18 Hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 8.00 | Hours |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|------|-------|

Factors 9 Hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safetv | Linear | 526.68 | Dollars |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|--------|---------|

Factors 579 Dollars

1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz48 - Activity Hazards Analysis

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to analyze the hazards of this activity.

Experience Item Desc - Hazards Analysis

Breakdown of Cost Data:

Item - Hazards Analysis

Units - Lot

Unit Cost -12 hours, \$285 ODCs

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safetv | Linear | 3.56 | Hours |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|

Factors 4 Hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safetv | Linear | 259.25 | Dollars |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|--------|---------|

Factors 285 Dollars

1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz49 - Ship BeAST Source to Vendor

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to ship BeAST sources.

Experience Item Desc - Radiological Shipping

Breakdown of Cost Data:

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Item - Shippin Beast Sources
Units - Lot
Unit Cost -27 hours, \$1000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|---|--------------------|--------------|------------------------------|------------|-------------------------------|----------|-------------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KF10H | Mail Steward Steel Workers | Linear | 16.01 Hours |
| Factors | 18 | Hours | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 8.00 Hours |
| Factors | 9 | Hours | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |

Line Item 444Haz5 - DU REMOVAL RM202

| | | | | | | | |
|-----|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 202. Experience Item Desc - Processing DU Breakdown of Cost Data: Item - DU Processing Units - Lot Unit Cost -3015 hours \$72027 ODC Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|--|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|---|----------------------|--------------|-------------------------------|------------|-------------------------------|----------|-------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 355.74 Hours |
| Factors | 400 | Hours | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 627.88 Hours |
| Factors | 706 | Hours | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 1.608.82 Hours |
| Factors | 1809 | Hours | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 Hours |
| Factors | 100 | hours | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 86.657.48 Dollars |
| Factors | 96000 | Dollars | 1.015 -- FY00 Escalation -- | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |

Line Item 444Haz50 - Develop RWP

| | | | | | | | |
|-----|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish development of RWP's. Experience Item Desc - RWP development Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost -16 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---|------------------------------|-------------------------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours | |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours | |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 3.56 | Hours | |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz51 - Prepare Closeout Documentation

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare closeout documentation. Experience Item Desc - document preparation Breakdown of Cost Data: Item - closeout documents Units - Lot Unit Cost -, \$2000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|--|-------------------------------|-----------------------|------------|-----------------|---------|---------------------------------|---------|
| | A5H | SUBCONTRACTED SRVS | | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safetv | Linear | 909.65 | Dollars |
| Factors | 1000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz52 - Prepare IWCP for Draining of Proc. Equip.

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP. Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - IWCP Units - Lot Unit Cost 87 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-------|---------------------------|------------|--------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 35.57 | Hours |
| | Factors | 40 | Hours | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 41.80 | Hours |
| Factors | 47 | Hours | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz53 - Activity Hazards Analysis

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to analyze hazards of Equipment draining. Experience Item Desc - Hazards analysis Breakdown of Cost Data: Item - Hazards Analysis Units - Lot |
|-----|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost 12 hours \$200 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------------------------------|------------------------------|------------|--------------------|---|----------|---------|
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |
| Factors | 8 | Hours | | | | | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| A5H | SUBCONTRACTED SRVS | | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 181.93 | Dollars |
| Factors | 200 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz54 - Prepare RWP

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare RWP.
Experience Item Desc - RWP preparation
Breakdown of Cost Data:
Item - RWP
Units - Lot
Unit Cost 16 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|---|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 3.56 | Hours |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz55 - Sample and Analyze Machine Oil

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to sample and analyze oil from process equipment.
Experience Item Desc - Sampling and Analysis
Breakdown of Cost Data:
Item - Samples and Analysis
Units - Lot
Unit Cost 160 hours, \$135,000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|--|--------------|--|-------|--|------------|-------|----------|-------|
|--|--------------|--|-------|--|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|--------------------------------|---|------------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 71.15 | Hours |
| Factors | 80 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 35.57 | Hours |
| Factors | 40 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 35.57 | Hours |
| Factors | 40 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | K267S | Analvtical Laboratory Services | Linear | 122.802.20 | Dollars |
| Factors | 135000 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz56 - Drain Process Equipment

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to drain oil from process equipment. Experience Item Desc - Eguypment draining Breakdown of Cost Data: Item - Equipment Draining Units - Lot Unit Cost 4494 hours \$8208 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|----------------------|---------|----------------------------------|------------|--|---|----------|---------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KC20H | Building Trades Proj C Estimating Only | Linear | 438.45 | Hours |
| Factors | 493 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,389.15 | Hours |
| Factors | 1562 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 534.49 | Hours |
| Factors | 601 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,161.48 | Hours |
| Factors | 1306 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 177.87 | Hours |
| Factors | 200 | hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 7,466.37 | Dollars |
| Factors | 8208 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz57 - Dispose of Oil from Process Equipment

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to ship oil from process equipment. Experience Item Desc - Equipment draining Breakdown of Cost Data: Item - Equipment Draining Units - Lot Unit Cost 306 hours Unit Cost Adjustment factor - .88934 | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Revised Unit Cost -
Basis for adjustment - system project cuts

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------|------------|----------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KF10H | Matl Steward Steel Workers | Linear | 136.07 | Hours |
| Factors | | 153 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|------|------------------------------|-------|--------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Manaaement | Linear | 104.05 | Hours |
| Factors | | 117 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|------|------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 32.02 | Hours |
| Factors | | 36 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz58 - Closeout Doc. & Update Idle Equip List

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to update equipment list
Experience Item Desc - Document preparation
Breakdown of Cost Data:
Item - Idle Equipment list Updating
Units - Lot
Unit Cost 40 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------------|------------|-------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 35.57 | Hours |
| Factors | | 40 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz59 - Verify Analytical Data

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to verify analytical data.
Experience Item Desc - data verification
Breakdown of Cost Data:
Item - Verfiy Analytical Sample Data
Units - Lot
Unit Cost 18 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------------|------------|-------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 16.01 | Hours |
| Factors | | 18 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz6 - DU REMOVAL B444 RM 204

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 204.
Experience Item Desc - Processing DU
Breakdown of Cost Data:
Item - DU Processing
Units - Lot
Unit Cost -1196 hours \$30,376 ODC
Unit Cost Adjustment factor -

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------|----------------------|---|-------------------------------|------------|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 106.72 | Hours |
| Factors 120 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 312.16 | Hours |
| Factors 351 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 600.31 | Hours |
| Factors 675 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 44.47 | Hours |
| Factors 50 hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 33.579.77 | Dollars |
| Factors 37200 Dollars | | 1.015 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz60 - Determine Quantities/Disposition of Dep. Uranium

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to determine the quantities and disposition of depleted Uranium in B444.
Experience Item Desc - Du processing
Breakdown of Cost Data:
Item - Disposition of Uranium
Units - Lot
Unit Cost 200 hours \$7000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|----------------------|--------------------|---|--------------------------|------------|---------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 177.87 | Hours |
| Factors 200 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 6.367.52 | Dollars |
| Factors 7000 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz61 - Prepare IWCP for DU Removal

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP package.
Experience Item Desc - IWCP preparation
Breakdown of Cost Data:
Item - IWCP
Units - Lot
Unit Cost 172 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--|-------|--|------------|--|-------|----------|-------|
|--------------|--|-------|--|------------|--|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|---------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 71.15 | Hours |
| Factors | 80 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|--------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 81.82 | Hours |
| Factors | 92 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz62 - Activity Hazards Analysis

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to analyze hazards for Du preprocessing. Experience Item Desc - Hazards Analysis Breakdown of Cost Data: Item - Hazards Analysis Units - Lot Unit Cost 18 hours \$500 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|----------------------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 14.23 | Hours |
| | <i>Factors</i> 16 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|-------------------|-------|-----------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 10.67 | Hours |
| Factors | 12 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|-----------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 454.82 | Dollars |
| Factors | 500 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz63 - Develop RWP

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to develop a RWP. Experience Item Desc - RWP development Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost 24 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|-----------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |
| | Factors 8 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|-------------------|-------|-----------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
| Factors | 8 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|--|--------|------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KC20H | Building Trades Proj C Estimating Only | Linear | 7.11 | Hours |
| Factors | 8 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz64 - Prepare Du Processing Area

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare a processing area for Du Removal. Experience Item Desc - Processing area preparation | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Breakdown of Cost Data:
Item - Processing Area Preparation
Units - Lot
Unit Cost 490 hours \$21,024 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------|------------|--|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KC20H | Building Trades Proj C Estimating Only | Linear | 320.16 | Hours |

Factors 360 Hours

| | | | | | | | | |
|-----|--------------------|------|------------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 35.57 | Hours |
|-----|--------------------|------|------------------------------|-------|--------------------|--------|-------|-------|

Factors 40 Hours

| | | | | | | | | |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 80.04 | Hours |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|-------|-------|

Factors 90 Hours

| | | | | | | | | |
|-----|----------|------|------|-------|--------------------|--------|-----------|---------|
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 17,150.96 | Dollars |
|-----|----------|------|------|-------|--------------------|--------|-----------|---------|

Factors 19000 Dollars 1.015 -- FY00 Escalation --

| | | | | | | | | |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 1,841.12 | Dollars |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|----------|---------|

Factors 2024 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz65 - PROJECT CONTROL ACTIVITIES HAZ RED C444

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for project controls B444.

Experience Item Desc - Project Controls

Breakdown of Cost Data:

Item - Project Controls
Units - Lot
Unit Cost \$89,100 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------------------|------------|----------------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | P070 | COST ESTIMATORS PLANNERS AN | C106S | Business Management Office | Linear | 81,049.43 | Dollars |

Factors 89100 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz66 - BUDGET & ADMIN ACT, PM & PLAN, HAZ RED C444

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Budget Administration.

Experience Item Desc - Budget Administrator

Breakdown of Cost Data:

Item - Budget Administrator
Units - Lot
Unit Cost \$76,840 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--|-------|--|------------|--|-------|----------|-------|
|--------------|--|-------|--|------------|--|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------------|-------|----------------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | P070 | COST ESTIMATORS PLANNERS AN | C106S | Business Management Office | Linear | 69.897.17 | Dollars |
| Factors | 76840 Dollars | 1.02283 | -- FY00 Escalation -- | | | | | |

| | | | | | | | | |
|---------|--------------------|---------|-----------------------------|-------|-------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | P070 | COST ESTIMATORS PLANNERS AN | K100S | Kaiser-Hill | Linear | 18.192.91 | Dollars |
| Factors | 20000 dollars | 1.02283 | -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz67 - Hot/Cold Laundry Support

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for laundry support. Experience Item Desc - Laundry Support Breakdown of Cost Data: Item - Laundry Support Units - Lot Unit Cost \$200,000 Odcs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | |
|-----------|-----------------|-----------|-----------------------|--------|------------|---------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
| A5F | CSS FIXED PRICE | 0000 NONE | K260S Site Operations | Linear | 181.929.10 | Dollars |

Factors 200000 dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444haz68 - Janitorial Support

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Vendor Name - TP Enterprise Vendor Quote - \$11,900 from 3/1/99 to 9/30/99 Quote Received by - Curt Stewart Item being quoted -Janitorial Support Other Info - This quote is from FY99 and will be translated for FY00, Since activity will be higher in the building the amount of support is doubled. Availability - Janitors are non- skilled labor This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | |
|-----------|-----------------|-----------|------------------------|--------|-----------|---------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
| A5F | CSS FIXED PRICE | 0000 NONE | C235S Laundry Services | Linear | 34.566.54 | Dollars |

Factors 38000 dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz69 - MANAGEMENT ACTIVITIES HAZ RED C444

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for Project Management for B444 project. Experience Item Desc - Project Management Breakdown of Cost Data: Item - Project Management Units - Lot Unit Cost 1540 hours \$794,000 Odcs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | |
|-----------|--------------------|-------------------------------|-------------------|--------|----------|-------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
| 750 | STRAIGHT TIME BASE | M020 MANAGERS (GRADE 69 - 72) | K100S Kaiser-Hill | Linear | 480.24 | Hours |

Factors 540 hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|------|------------------------------|-------|---------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C105S | Work Control Center | Linear | 889.34 | Hours |
| Factors | 1000 | hrs | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|-----------------------|------|-------------------------------|-------|--------------------------|----------------------|--------------------|---------|
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 406.206.90 | Dollars |
| Factors | 450000 Dollars | | 1.015 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C104S | Closure Management | Linear | 130.262.20 | Dollars |
| Factors | 143201 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | M020 | MANAGERS (GRADE 69 - 72) | K100S | Kaiser-Hill | Linear | 72.771.66 | Dollars |
| Factors | 80000 dollars | | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 90.964.57 | Dollars |
| Factors | 100000 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | S020 | ENVIRONMENTAL SCIENTISTS | C103S | Environmental Compliance | Linear | 19.080.27 | Dollars |
| Factors | 20975.5 Prime Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 - Svstem | |

Line Item 444Haz7 - DU REMOVAL B447 RM 403

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 403. Experience Item Desc - Processing DU Breakdown of Cost Data: Item - DU Processing Units - Lot Unit Cost -772 hours \$20499 ODC Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|----------------------|--------------------|-------------------------------|------------------------------|-------------------------------|-------------------------|--|----------|-------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | | |
| | | | | | | | 0.88934 [SYS 061400].88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 80.04 | Hours | |
| Factors | 90 | Hours | | | | | | | |
| | | | | | | | 0.88934 [SYS 061400].88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 384.20 | Hours | |
| Factors | 432 | Hours | | | | | | | |
| | | | | | | | 0.88934 [SYS 061400].88934200 - Svstem | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 44.47 | Hours | |
| Factors | 50 | hours | | | | | | | |
| | | | | | | | 0.88934 [SYS 061400].88934200 - Svstem | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 17.602.30 | Dollars | |
| Factors | 19500 | Dollars | 1.015 -- FY00 Escalation -- | | | | | | |
| | | | | | | | 0.88934 [SYS 061400].88934200 - Svstem | | |

Line Item 444Haz70 - FIELD MANAGEMENT HAZ RED C444

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for Field Management. Experience Item Desc - Field Management Breakdown of Cost Data: Item - Filed Manager Units - Lot Unit Cost \$136116 ODCa Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------|------------|---------------------|--------|------------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 123.817.30 | Dollars |

Factors 136116 Dollars

1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz71 - Prepare Revision to PEP for D&D

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Project Execution Plan.

Experience Item Desc - PEP

Breakdown of Cost Data:

Item - PEP

Units - Lot

Unit Cost \$2500 ODCS

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 2.274.11 | Dollars |

Factors 2500 Dollars

1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz72 - Prepare QA Plan

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare QA plan.

Experience Item Desc -QA plan Preparation

Breakdown of Cost Data:

Item - QA Plan

Units - Lot

Unit Cost \$1500 ODCS

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.364.47 | Dollars |

Factors 1500 Dollars

1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz73 - Prepare Health and Safety Plan

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Health and Safety Plan.

Experience Item Desc - HSP preparation

Breakdown of Cost Data:

Item - HSP

Units - Lot

Unit Cost \$1000 ODCS

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 909.65 | Dollars |

Factors 1000 Dollars

1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svsstem

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz74 - Develop D&D Schedule and Cost Estimate

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Develop D&D cost estimate and schedule.
Experience Item Desc - Schedule and Cost Estimating
Breakdown of Cost Data:
Item - Schedule and Cost Estimate
Units - Lot
Unit Cost \$5000 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 4.548.23 | Dollars |
| Factors | 5000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz75 - Prepare Waste Management Plan

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Waste Management Plan.
Experience Item Desc - Waste management plan preparation
Breakdown of Cost Data:
Item - Planm
Units - Lot
Unit Cost \$2000 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.819.29 | Dollars |
| Factors | 2000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz76 - D&D Training and Qualification Plan

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Training and Qualification plan
Experience Item Desc - Trainging and qualification plan preparation
Breakdown of Cost Data:
Item - Training and Qualification plan
Units - Lot
Unit Cost \$1000 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 909.65 | Dollars |
| Factors | 1000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz77 - Prepare Economic Disposition Plan

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Economic Disposition plan.
Experience Item Desc - Economic Disposition Plan development
Breakdown of Cost Data:
Item - Economic Disposition Plan
Units - Lot

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * *Starts In FY **

| | | | | | | |
|---|--|--|--|--|--|--|
| Unit Cost \$780 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|---|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--|------------------------|-------------------------------|---------------------------|---|----------|---------|
| | | A5H SUBCONTRACTED SRVS | E130 OTHER ENGINEERS | C105S Work Control Center | Linear | 709.52 | Dollars |
| | | Factors 780 Dollars | 1.02283 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz78 - Develop WBS Dictionary

| | | | | | | | |
|-----|---|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for WBS development Experience Item Desc - WBS development Breakdown of Cost Data: Item - WBS Units - Lot Unit Cost \$12300 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|---|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--|------------------------|-------------------------------|---------------------------|---|-----------|---------|
| | | A5H SUBCONTRACTED SRVS | E130 OTHER ENGINEERS | C105S Work Control Center | Linear | 11.188.64 | Dollars |
| | | Factors 12300 Dollars | 1.02283 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz79 - Develop Schedule and Cost Estimate

| | | | | | | | |
|-----|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Develop schedule and cost estimate for Haz reduction. Experience Item Desc - Schedule and cost estimat Breakdown of Cost Data: Item - Schedule and cost estimate Units - Lot Unit Cost \$5080 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|--|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--|------------------------|-------------------------------|---------------------------|---|----------|---------|
| | | A5H SUBCONTRACTED SRVS | E130 OTHER ENGINEERS | C105S Work Control Center | Linear | 4.621.00 | Dollars |
| | | Factors 5080 Dollars | 1.02283 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz8 - DU REMOVAL B444 RM 33A,32, 502

| | | | | | | | |
|-----|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 33a, 32, and 502. Experience Item Desc - Processing DU Breakdown of Cost Data: Item - DU Processing Units - Lot Unit Cost -652 hours \$10500 ODC Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|--|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--|--------------|-------|------------|-------|----------|-------|
|-----------|--|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---|----------------------|---------|------------------------------|-------|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 328.17 | Hours |
| Factors | 369 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 109.39 | Hours |
| Factors | 123 | Hours | | | | | | |
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 35.57 | Hours |
| Factors | 40 | hours | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 9.478.16 | Dollars |
| Factors | 10500 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444Haz80 - Revise and Issue PEP REV 1 for Hazards Reduction

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Project Execution Plan revision.

Experience Item Desc - PEP

Breakdown of Cost Data:

Item - PEP

Units - Lot

Unit Cost \$26500 ODCS

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------------------------------|-----------------|------------|---------------------|---------|---------------------------------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 24.105.61 | Dollars |
| Factors | 26500 Dollars | 1.02283 -- FY00 Escalation -- | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz81 - Revise and Issue PEP REV 2 for Hazards Reduction

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Project Execution Plan revision.
Experience Item Desc - PEP
Breakdown of Cost Data:
Item - PEP
Units - Lot
Unit Cost \$20185 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------------------------------|-----------------|------------|---------------------|---------|---------------------------------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 2,274.11 | Dollars |
| Factors | 2500 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 4,093.41 | Dollars |
| Factors | 4500 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 9,087.36 | Dollars |
| Factors | 9990 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.678.30 | Dollars |
| Factors | 1845 Dollars | 1.02283 | -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.228.02 | Dollars |
| Factors | 1350 Dollars | 1.02283 | -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz82 - Evaluate Options for Equipment Disposition

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to evaluate equipment disposal options. Experience Item Desc - PEP Breakdown of Cost Data: Item - PEP Units - Lot Unit Cost \$20000 ODSCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|-----------------|------------|---------------------|--------|-----------|---------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 18.192.91 | Dollars |

Factors 20000 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz83 - Develop Decision Doc. for Equipment Disposition

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to develop equipment disposal options. Experience Item Desc -Document Breakdown of Cost Data: Item - document Units - Lot Unit Cost \$20000 ODSCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|-----------------|------------|---------------------|--------|-----------|---------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 18.192.91 | Dollars |

Factors 20000 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz84 - Review/Revise Authorization Basis

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to revise Authorization Basis. Experience Item Desc - AB revision Breakdown of Cost Data: Item - AB revision Units - Lot Unit Cost \$20000 ODSCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|-----------------|------------|---------------------|--------|-----------|---------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 18.192.91 | Dollars |

Factors 20000 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svsstem

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz85 - Eval D&D Staff & Office Space Req.

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to evaluate staffing and office requirements. Experience Item Desc - PEP Breakdown of Cost Data: Item - PEP Units - Lot Unit Cost \$10000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|---|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 9.096.46 | Dollars |
| Factors | 10000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz86 - Perform Equipment Accountability

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to perform equipment accountability. Experience Item Desc - Equipment Accountability Breakdown of Cost Data: Item -Equipment accountability Units - Lot Unit Cost \$81000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|---|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 73.681.30 | Dollars |
| Factors | 81000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz87 - IWCP Planning

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP. Experience Item Desc - Du processing Breakdown of Cost Data: Item - IWCP prepaaration Units - Lot Unit Cost 101 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-------|---------------------------|------------|--------------------|--------|---|-------|
| 750 | STRAIGHT TIME BASE | | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Manaaement | Linear | 41.80 | Hours |
| Factors | 47 | Hours | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 48.02 | Hours |
| Factors | 54 | Hours | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz88 - SES/ORC Reviews

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for SES orc Reviews. |
|-----|---|

WBS No: 1EDC05
Activity ID: 1EDC0522

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

[Starts In FY](#) *

Experience Item Desc - SES ORC Reviews
Breakdown of Cost Data:
Item - SES/ORC Review
Units - Lot
Unit Cost 20 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|------------------------------|------------|--------------------|----------|------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Manaaement | Linear | 10.67Hours |
| Factors | | 12 | Hours | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safetv | Linear | 7.11Hours |
| Factors | | 8 | Hours | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz89 - RWP Prep/Alara Review/JHA Dvmnt

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required RWP preparation.
Experience Item Desc - RWP preparation
Breakdown of Cost Data:
Item - RWP
Units - Lot
Unit Cost 24 hours ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|------------------------------|------------|--------------------|----------|-----------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Manaaement | Linear | 7.11Hours |
| Factors | | 8 | Hours | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safetv | Linear | 7.11Hours |
| Factors | | 8 | Hours | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

0.88934 [SYS 061400] .88934200 - Svstem

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz9 - Prepare DU Removal Closeout Documentation

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closout documentation.
Experience Item Desc - Processing DU
Breakdown of Cost Data:
Item - DU Processing
Units - Lot
Unit Cost -18 hours
Unit Cost Adjustment factor -
Revised Unit Cost -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|------------------------------|------------|-------------------------|----------|------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 16.01Hours |
| Factors | | 18 | Hours | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz90 - Sample Request

| | | | | | |
|-----|---|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to request samples Experience Item Desc - Sample requests Breakdown of Cost Data: Item - Sample request Units - Lot Unit Cost 8 hours Unit Cost Adjustment factor -- Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | |
|-----|---|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|-----|--------------------|-----------------------------------|--------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M010 FOREMEN / TEAM LEADS / GROUP | C104S Closure Management | Linear | 7.11 | Hours |
| Factors | 8 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz91 - Perform Sampling

| | | | | | |
|-----|---|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to sample DU chips. Experience Item Desc - Du processing Breakdown of Cost Data: Item - Du sampling Units - Lot Unit Cost 45 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | |
|-----|---|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|-----|--------------------|---------------------------|--|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L070 MISSION SUP SPEC III | KC20H Building Trades Proj C Estimating Only | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - System

| | | | | | | | |
|---------|-----|--------------------|-----------------------------------|--------------------------|--------|------|-------|
| | 750 | STRAIGHT TIME BASE | M010 FOREMEN / TEAM LEADS / GROUP | C104S Closure Management | Linear | 8.00 | Hours |
| Factors | 9 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - System

| | | | | | | | |
|---------|-----|--------------------|-----------------------------------|-------------------------------------|--------|------|-------|
| | 750 | STRAIGHT TIME BASE | T050 RADIATION CONTROL TECHNOLOGI | KE10H Indust/Site Srvs Steelworkers | Linear | 8.00 | Hours |
| Factors | 9 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz92 - Receive Sample Results

| | | | | | |
|-----|---|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Analyze DU samples Experience Item Desc - Du processing Breakdown of Cost Data: Item - Du Sampling Units - Lot Unit Cost \$15000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | |
|-----|---|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|-------|--------------------|-------------------------------|--------------------------------------|--------|-----------|---------|
| | A5H | SUBCONTRACTED SRVS | 0000 NONE | K267S Analytical Laboratory Services | Linear | 13.644.69 | Dollars |
| Factors | 15000 | Dollars | 1.02283 -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - System

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz93 - IWCP Planning for Packaging

| | | | | | | |
|-----|---|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP. | | | | | |
| | Experience Item Desc - IWCP preparation Breakdown of Cost Data: IWCPDu chip processing Units - Lot Unit Cost 97 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--|--------------|--------------------|-------|---------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Manaaement | Linear | 35.57 | Hours |
| Factors 40 Hours | | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | |
| 750 STRAIGHT TIME BASE M020 MANAGERS (GRADE 69 - 72) C104S Closure Manaaement Linear 41.80 Hours | | | | | | | | | |
| Factors 47 Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz94 - SES/ORC Reviews for Packaging

| | | | | | | |
|-----|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for SES orc Reviews. | | | | | |
| | Experience Item Desc - SES ORC Reviews Breakdown of Cost Data: Item - SES/ORC Review Units - Lot Unit Cost 24 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--|--------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Manaaement | Linear | 7.11 | Hours |
| Factors 8 Hours | | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | |
| 750 STRAIGHT TIME BASE P080 HEALTH PHYSICISTS C101S Health & Safetv Linear 7.11 Hours | | | | | | | | | |
| Factors 8 Hours | | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | |
| 750 STRAIGHT TIME BASE T050 RADIATION CONTROL TECHNOLOGI KE10H Indust/Site Srvs Steelworkers Linear 7.11 Hours | | | | | | | | | |
| Factors 8 Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz95 - RWP Prep/Alara Review/JHA Dvmnt for Pking

| | | | | | | |
|-----|---|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for RWP preparation. | | | | | |
| | Experience Item Desc -RWP preparation Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost 12 hours 600 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--|-------|--|------------|--|-------|----------|-------|
|-----------|--------------|--|-------|--|------------|--|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|--------------------|----------------------|--------------------|---------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |
| Factors | 8 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 545.79 | Dollars |
| Factors | 600 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 - Svstem | |

Line Item 444Haz96 - Activity Hazards Analysis

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required forActivity Hazards Analysis. Experience Item Desc -Hazards Analysis Breakdown of Cost Data: Item - Hazards Analysis Units - Lot Unit Cost 20 hours \$250 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|---|--------------------|---|------------------------------|------------|--------------------|--------|----------|---------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |
| Factors | 10 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |
| Factors | 10 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 227.41 | Dollars |
| Factors | 250 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444Haz97 - Prepare RWP

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for RWP preparation. Experience Item Desc -RWP preparation Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost 16 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|---------------------------------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| | Factors | 4 | Hours | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| | Factors | 4 | Hours | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
| | Factors | 4 | Hours | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|------|------------------------------|-------|-------------------------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 3.56 | Hours |
| Factors | 4 | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz98 - Prepare Engineering/ IWCP for Deenergization

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for IWCP preparation Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - IWCP Units - Lot Unit Cost 149 hours \$14436 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|--|--------------------|--------------------|-------------------------------|-----------------|---------------------|---------------------|----------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 48.02 | Hours | |
| Factors | 54 | Hours | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 24.01 | Hours | |
| Factors | 27 | Hours | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 28.46 | Hours | |
| Factors | 32 | Hours | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 16.01 | Hours | |
| Factors | 18 | Hours | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 3,610.73 | Dollars | |
| Factors | 4000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 8,787.18 | Dollars | |
| Factors | 9660 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 24.56 | Dollars | |
| Factors | 27 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 681.32 | Dollars | |
| Factors | 749 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |

Line Item 444Haz99 - Verify/Review Procedure for Source Removal

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for procedure review. Experience Item Desc -Procedure review Breakdown of Cost Data: Item -Procedure Review Units - Hours Unit Cost - 8 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-------------------|------------|-----------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
| | Factors | 8 | | | | | | | Hours |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Lhaz27 - Prepare Transfer/Shipping Documentation

| | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish preparation of shipping documentation. Experience Item Desc - Shipping Document Preparation Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -18 hours, Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-----------------------|------------|-------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 16.01 | Hours |
| | Factors | 18 | | | | | | | Hours |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Lhaz36 - Identify Legacy Oil

| | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to identify legacy oil in and around B444. Experience Item Desc - Building Walkdowns Breakdown of Cost Data: Item - Oil Identification Units - Lot Unit Cost -27 hours, Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-----------------------|------------|-------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 24.01 | Hours |
| | Factors | 27 | | | | | | | Hours |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Lhaz38 - Evaluate Disposition of Oil

| | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish this task. Experience Item Desc - Evaluation of chemical disposal Breakdown of Cost Data: Item - Oil disposal options Units - Lot Unit Cost -27 hours, Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--|-------|--|------------|--|-------|----------|-------|
| | | | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|-----------------------|-------|-------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Lhaz40 - Sample Drums

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to sample oil drums. Experience Item Desc - Sampling Breakdown of Cost Data: Item - Drum samples Units - Lot Unit Cost -1085 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---|----------------------|-------------------------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svcs Steelworkers | Linear | 484.69 | Hours |
| Factors | 545 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Managemnt | Linear | 231.23 | Hours | |
| Factors | 260 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 17.79 | Hours | |
| Factors | 20 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 231.23 | Hours | |
| Factors | 260 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Lhaz41 - Analyze Samples

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Vendor Name - Analytical Services Vendor Quote - \$1,000 per sample Quote Received by - Item being quoted - Other Info - Availability - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------------------------------|-----------------------|------------|-------------------------|---------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 3.56 | Hours |
| | Factors | 4 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | A5H | SUBCONTRACTED SRVS | 0000 | NONE | C222S | Water Svstem Operations | Linear | 909.65 | Dollars |
| Factors | 1000 | Dollars/sample | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Lhaz42 - Prepare Drums for Transfer

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare oild drums for transfer . Experience Item Desc - Shipping preparation Breakdown of Cost Data: Item - Shipping preparation Units - Lot Unit Cost -288 hours, \$10000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|-------|--------------------|--|--|--------|----------|---------|
| Factors | 750 | STRAIGHT TIME BASE | L070 MISSION SUP SPEC III | KE10H Indust/Site Srvs Steelworkers | Linear | 128.07 | Hours |
| | 144 | Hours | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | |
| Factors | 750 | STRAIGHT TIME BASE | M010 FOREMEN / TEAM LEADS / GROUP | C104S Closure Management | Linear | 64.03 | Hours |
| | 72 | Hours | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | |
| Factors | 750 | STRAIGHT TIME BASE | T050 RADIATION CONTROL TECHNOLOGI | KE10H Indust/Site Srvs Steelworkers | Linear | 64.03 | Hours |
| | 72 | Hours | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | |
| Factors | A5C | SUPPLIES | 0000 NONE | C104S Closure Management | Linear | 9.026.82 | Dollars |
| | 10000 | Dollars | 1.015 -- FY00 Escalation -- | 0.88934 [SYS 061400] .88934200 - Ssystem | | | |

Line Item 444Lhaz43 - Transfer Oil

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to transfer oil.
Experience Item Desc - chemical transportation
Breakdown of Cost Data:
Item - oil transfer
Units - Lot
Unit Cost -36 hours, \$5000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|------|--------------------|--|--|--------|----------|---------|
| Factors | 750 | STRAIGHT TIME BASE | L070 MISSION SUP SPEC III | KE10H Indust/Site Srvs Steelworkers | Linear | 16.01 | Hours |
| | 18 | Hours | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | |
| Factors | 750 | STRAIGHT TIME BASE | M010 FOREMEN / TEAM LEADS / GROUP | C104S Closure Management | Linear | 8.00 | Hours |
| | 9 | Hours | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | |
| Factors | 750 | STRAIGHT TIME BASE | T050 RADIATION CONTROL TECHNOLOGI | KE10H Indust/Site Srvs Steelworkers | Linear | 8.00 | Hours |
| | 9 | Hours | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | |
| Factors | A5H | SUBCONTRACTED SRVS | 0000 NONE | C104S Closure Management | Linear | 4.548.23 | Dollars |
| | 5000 | Dollars | 1.02283 -- FY00 Escalation -- | 0.88934 [SYS 061400] .88934200 - Ssystem | | | |

Line Item 444Lhaz44 - Prepare Closeout Documentation

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closeout documentation.
Experience Item Desc - closeout documenting
Breakdown of Cost Data:
Item - closeout document
Units - Lot
Unit Cost -27 hours,
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--|--------------|-------|------------|-------|----------|-------|
|-----------|--|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|-----------------------|-------|-------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444PEREM1 - Process Equipment Removal -Carbon shop

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the carbon shop. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | |
| | Item - Process Equipment Removal - Carbon Shop | | | | | | | |
| | Units - lot | | | | | | | |
| | Unit Cost - 4730 hours \$50,750 odcs | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|--------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svsstem Operations | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|-------------------------------|-------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|----------------------|-------|-------------------------------|-------|-------------------------------|--------|--------|-------|
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|----------|---------|--------------------|-------|-------------------------|--------|-----------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 45,134.11 | Dollars |
| Factors | 10000 | dollars | 5 waste containers | 1.015 | -- FY00 Escalation -- | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444PErem10 - Process Equipment Removal -Basement

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for the basement. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | |
| | Item - Process Equipment Removal - Basement | | | | | | | |
| | Units - lot | | | | | | | |
| | Unit Cost - 10,970 hours \$200,000 odcs | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|-------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 213.44 | Hours |
| Factors | 240 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|--|----------------------|---------|-------------------------------|------------------|-------------------------------|--------|------------|---------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 6,403.26 | Hours |
| Factors | 7200 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 578.07 | Hours |
| Factors | 650 | hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 180,536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | 1.015 -- FY00 Escalation -- | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |

Line Item 444PErem11 - Process Equipment Removal -Second Floor

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for the mezzanine. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: Item - Process Equipment Removal - Mezzanine Units - lot Unit Cost - 5510 hours \$200,000 odcs Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|--|----------------------|---------|-------------------------------|------------------|-------------------------------|--------|------------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 311.27 | Hours |
| Factors | 350 | hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 180,536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | 1.015 -- FY00 Escalation -- | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | |

Line Item 444PErem12 - Process Equipment Removal -Be Shop

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for the Be shop. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: Item - Process Equipment Removal - Be Shop Units - lot Unit Cost - 10870 hours \$300,000 odcs | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|----------------------|---------|-------------------------------|------------------|-------------------------------|-----------------------|----------|---------------------------------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 213.44 | Hours |
| Factors | 240 | Hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 6,403.26 | Hours |
| Factors | 7200 | Hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 489.14 | Hours |
| Factors | 550 | hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 270.804 | Dollars |
| Factors | 10000 | dollars | 30 | waste containers | 1.015 | -- FY00 Escalation -- | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |

Line Item 444PERem2 - Process Equipment Removal -Precision Shop

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the precision shop.

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:

Item - Process Equipment Removal - Precision Shop

Units - lot

Unit Cost - 9,640 hours \$50,000 odcs

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|----------------------|---------|-------------------------------|------------------|-------------------------------|-----------------------|-----------|---------------------------------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 6,403.26 | Hours |
| Factors | 7200 | Hours | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T060 | D&D HAZ REDUC TECH / RISK RED | KE10H | Indust/Site Srvs Steelworkers | Linear | 711.47 | Hours |
| Factors | 800 | HOURS | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 45,134.11 | Dollars |
| Factors | 10000 | dollars | 5 | waste containers | 1.015 | -- FY00 Escalation -- | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444PERem3 - Process Equipment Removal -Utility Areas

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the utility areas. | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Process Equipment Removal - Utility Areas | | | | | | | | | |
| | Units - lot | | | | | | | | | |
| | Unit Cost - 4730 hours 50,000 odcs | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|-----------|----------------------|--------------------|------|---|----------------------|------------|-------------------------------|-------------------------------|---|-----------|---------|
| | 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 640.33 |
| Factors | 720 | Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C222S | Water System Operations | | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | | |
| 751 | OVERTIME BASE & PRE. | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | 0.88934 [SYS 061400] .88934200 - System | | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | | C222S | Water System Operations | | Linear | 45,134.11 | Dollars |
| Factors | 10000 | dollars | 5 | waste containerws | | 1.015 | -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - System | | |

Line Item 444PERem4 - Process Equipment Removal -Admin Area

| | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the administration area. | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Process Equipment Removal - Administration Area | | | | | | | | | |
| | Units - lot | | | | | | | | | |
| | Unit Cost - 5,140 hours \$50,000 odcs | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| Basis for adjustment - N/A | | | | | | | | | | |
| This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | | |

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|--------------------|--------------------|--------------------|------|-------------------------------|----------------------|------------|-------------------------------|-------------------------------|---|----------|-------|
| | 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KE10H | Indust/Site Srvs Steelworkers | Linear | 142.29 | Hours |
| Factors 160 Hours | | | | | | | | | | | |
| | | | | | | | | | 0.88934 [SYS 061400] .88934200 - System | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C222S | Water System Operations | | Linear | 640.33 | Hours |
| Factors 720 Hours | | | | | | | | | | | |
| | | | | | | | | | 0.88934 [SYS 061400] .88934200 - System | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 3,201.63 | Hours |
| Factors 3600 Hours | | | | | | | | | | | |
| | | | | | | | | | 0.88934 [SYS 061400] .88934200 - System | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|---------|-------------------------------|------------------|-------------------------------|--------|-----------|---------------------------------|
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 45.134.11 | Dollars |
| Factors | 10000 | dollars | 5 | waste containers | 1.015 -- FY00 Escalation -- | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |

Line Item 444PErem5 - Process Equipment Removal -Stress Relief

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the stress relief area. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | |
| | Item - Process Equipment Removal - Stress Relief Area | | | | | | | |
| | Units - lot | | | | | | | |
| | Unit Cost - 4730 hours \$50,000 odcs | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|----------------------|-------|-------------------------------|------------|-------------------------------|---------|---------------------------------|---------|
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |
| | A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 45,134.11 | Dollars |
| Factors | 10000 | dollars | 5 | containers | 1.015 | -- FY00 Escalation -- | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

Line Item 444PErem6 - Process Equipment Removal -Room 101

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for room 101. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | |
| | Item - Process Equipment Removal - Room 101 | | | | | | | |
| | Units - Lot | | | | | | | |
| | Unit Cost - 18,472 hours 300,000 dollars | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

| | | | | | | | | | |
|-----------|--------------------|--------------------|-------|----------------------|------------|-------------------------------|---------|---------------------------------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,219.80 | Hours |
| | Factors 2496 Hours | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|----------------------|---------|-------------------------------|------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 284.59 | Hours |
| Factors | 320 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 2.219.80 | Hours |
| Factors | 2496 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 11.098.99 | Hours |
| Factors | 12480 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 844.87 | Hours |
| Factors | 950 | hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 270.804.60 | Dollars |
| Factors | 10000 | dollars | 30 | waste containers | 1.015 -- FY00 Escalation -- | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444PErem7 - Process Equipment Removal -Room 601/602

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for room 601/602.

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:
Item - Process Equipment Removal - Room 601/602
Units - lot
Unit Cost - 5450 hours \$200,000 odcs
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|----------------------|---------|-------------------------------|------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svrs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 3.201.63 | Hours |
| Factors | 3600 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 180.536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | 1.015 -- FY00 Escalation -- | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444PErem8 - Process Equipment Removal -B447

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for process equipment removal for B447.

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | |
|--|--|--|--|--|--|--|
| Item - Process Equipment Removal - B447 Units - Lot Unit Cost - 10630 hours \$200,000 ODCS Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | |
| This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|--------------|----------------------|---------|---|-------------------------------|------------|-------|-------------------------------|----------|---|---------|
| 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C222S | Water Svstem Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | Linear | 6,403.26 | Hours |
| Factors | 7200 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 751 | OVERTIME BASE & PRE. | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | Linear | 311.27 | Hours |
| Factors | 350 | hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | | C222S | Water Svstem Operations | Linear | 180,536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | | 1.015 | -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 444PErem9 - Process Equipment Removal -Room 104/109

BOE

| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for room 104/109. | | | | | | | | |
| Experience Item Desc - Building Decommissioning | | | | | | | | |
| Breakdown of Cost Data: Item - Process Equipment Removal - Room 104/109 Units - lot Unit Cost - 5,510 hours \$200,000 odcS Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | | |
| This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | |

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-------|-------------------------------|------------|-------------------------------|---------|---------------------------------|-------|
| 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | | | | | | |
| | | | | | | | 0.88934 | ISYS 0614001 .88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|-------|-------------------------------|-------|-------------------------------|--------|--------|-------|
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 311.27 | Hours |
| Factors | 350 | hours | | | | | | |

| | | | | | | | | |
|---------|----------|---------|------|------------------|-------------------------|-----------------------|------------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 180.536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | 1.015 | -- FY00 Escalation -- | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444persrelo1 - Identify Non-Essential personnel

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required identify non-essential personnel. Experience Item Desc - resource allocation Breakdown of Cost Data: Item - Personnel allocation Units - Lot Unit Cost 45 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 40.02 | Hours |
| | Factors | 45 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444persrelo2 - Find Space for Non-Essential Personnel

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for finding space for non-essential personnel. Experience Item Desc - project management Breakdown of Cost Data: Item - space allocation Units - Lot Unit Cost 45 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| | | | | | | | | | | | |
|-----------|--------------|--------------------|--|-------|------|--------------------------|--|-------|--------------------|--------|-------|
| Resources | | | | | | | | | | | |
| | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
| | 750 | STRAIGHT TIME BASE | | | M020 | MANAGERS (GRADE 69 - 72) | | C104S | Closure Management | Linear | 40.02 |
| Factors | 45 | Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444persrelo3 - Prepare Personnel Move Documentation

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required prepare moving documentation Experience Item Desc - project management Breakdown of Cost Data: Item - document preparation Units - Lot Unit Cost 36 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| | | | | | | | | | | | |
|-----------|--------------|--------------------|--|-------|------|---------------------------|--|-------|--------------------|--------|-------|
| Resources | | | | | | | | | | | |
| | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
| | 750 | STRAIGHT TIME BASE | | | G010 | ADMINISTRATIVE ASSISTANTS | | C104S | Closure Management | Linear | 16.01 |
| Factors | 18 | Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|--------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444persrelo4 - Move Personnel

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for move non-essential personnel. Experience Item Desc - moving non-essential personnel Breakdown of Cost Data: Item - moving Units - Lot Unit Cost 144 hours \$36,720 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|-------------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 128.07 | Hours |
| | Factors 144 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|--------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C104S | Closure Management | Linear | 21.121.97 | Dollars |
| Factors | 23220 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|---------|---------|-----------------------------|-------|----------------------------|--------|-----------|---------|
| A5L | RENTALS | 0000 | NONE | C106S | Business Management Office | Linear | 12.186.21 | Dollars |
| Factors | 13500 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444persrelo5 - Prepare Closeout Documentation

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for prepare closeout documentation. Experience Item Desc - document preparation Breakdown of Cost Data: Item - document Units - Lot Unit Cost 8 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 7.11 | Hours |
| | Factors | 8 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444proEqp30 - Deenergize Process Equipment

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Deenergize Process Equipment in B444. Experience Item Desc - Equipment Deenergization Breakdown of Cost Data: Item - Equipment Deenergization Units - Lot Unit Cost 2941 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | |
|-----------|--------------|-------|------------|-------|----------|-------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|-------|------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,794.69 | Hours |
| Factors | 2018 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C210S | Facilities Mamt & Maintenance | Linear | 266.80 | Hours |
| Factors | 300 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 123.62 | Hours |
| Factors | 139 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 44.47 | Hours |
| Factors | 50 | hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | C020 | ELECTRICIANS | KE10H | Indust/Site Srvs Steelworkers | Linear | 133.40 | Hours |
| Factors | 150 | hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444proEqp31 - Closeout Documentation & Drawing Updates

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to update documents and drawings. Experience Item Desc - Drawing Updates Breakdown of Cost Data: Item - Draing Updates Units - Lot Unit Cost \$28000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|-------------------------------|-----------------|----------------------|---|---------------------|-----------|-----------|---------|
| | A5H | SUBCONTRACTED SRVS | | E040 | ELECTRICAL ENGINEERS | C105S | Work Control Center | Linear | 12,735.04 | Dollars |
| Factors | 14000 | Dollars | 1.02283 -- FY00 Escalation -- | | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | |
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 12,735.04 | Dollars | |
| Factors | 14000 | Dollars | 1.02283 -- FY00 Escalation -- | | | 0.88934 [SYS 061400] .88934200 - System | | | | |

Line Item 444proprem32 - Activity Hazards Analysis

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required forActivity Hazards Analysis. Experience Item Desc -Hazards Analysis Breakdown of Cost Data: Item - Hazards Analysis Units - Lot Unit Cost 20 hours \$250 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|------------------------------|------------|--------------------|--------------|--------------------|--------------------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |
| | Factors | 10 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |
| | Factors | 10 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-------|--------------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 227.41 | Dollars |
| Factors | 250 | Dollars | 1.02283 | -- | FY00 Escalation -- | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444proprem33 - Prepare RWP

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for RWP preparation. Experience Item Desc -RWP preparation Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost 16 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444proprem34 - Prepare Engineering/ IWCP for Deenergization

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for IWCP preparation Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - IWCP Units - Lot Unit Cost 149 hours \$14436 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|-------|---------------------------|------------|---------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 48.02 | Hours |
| Factors | 54 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 28.46 | Hours |
| Factors | 32 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5022

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|--|--------------------|---------|-------------------------------|-------|---------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 3.610.73 | Dollars |
| Factors | 4000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 8.787.18 | Dollars |
| Factors | 9660 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 24.56 | Dollars |
| Factors | 27 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 681.32 | Dollars |
| Factors | 749 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | | | |

Line Item SYS - Contingency And Escalation

BOE

Resources

| | | | | | | | | | |
|---------|--------------|---------|-------|-------|---------------|--|--------|------------|---------|
| | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| CON | CONTINGENCY | 0000 | NONE | ZDEPT | No Department | | Linear | 530.942.30 | Dollars |
| Factors | 530942 | Dollars | | | | | | | |
| ESC | ESCALATION | 0000 | NONE | ZDEPT | No Department | | Linear | 242.971.80 | Dollars |
| Factors | 242972 | Dollars | | | | | | | |

Activity ID: 1EDC5201

Description: 444 Cluster Stab/Hazard Removal FY01

Cost Risk 2 Schedule Risk 2

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|------------|---|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 444CESO010 | Flush Cooling Tower -B457 | 0.50 | ea | EE | 720 | 360 | 7.846 | 4.513 | 0 | 12.359 | 3.653 | 16.012 |
| 444CESO011 | Stripout -B457 | 0.50 | ea | EE | 636 | 318 | 6.622 | 0 | 0 | 6.622 | 3.083 | 9.705 |
| 444CESO020 | Process Equipment Removal -B455 | 0.50 | ea | EE | 3.427 | 1.713 | 35.323 | 0 | 0 | 35.323 | 16.446 | 51.770 |
| 444CESO030 | Process Equipment Removal -B427 | 0.50 | ea | EE | 2.765 | 1.382 | 28.284 | 812 | 0 | 29.097 | 13.169 | 42.266 |
| 444CESO040 | Flush Cooling Tower-B454 | 0.50 | ea | EE | 689 | 345 | 7.359 | 4.513 | 0 | 11.872 | 3.426 | 15.298 |
| 444CESO041 | Stripout -B454 | 0.50 | ea | EE | 631 | 316 | 6.805 | 0 | 0 | 6.805 | 3.168 | 9.974 |
| 444CESO050 | Process Equipment Removal -B450 | 0.50 | ea | EE | 3.299 | 1.649 | 34.295 | 0 | 0 | 34.295 | 15.967 | 50.262 |
| 444CESO060 | Process Equipment Removal -B451 | 0.50 | ea | EE | 343 | 172 | 3.882 | 0 | 0 | 3.882 | 1.807 | 5.689 |
| 444CESO070 | Process Equipment Removal -B453 | 0.50 | ea | EE | 1.156 | 578 | 12.687 | 0 | 0 | 12.687 | 5.907 | 18.593 |
| 444CESO071 | Stripout -B453 | 0.50 | ea | EE | 1.156 | 578 | 12.233 | 0 | 0 | 12.233 | 5.696 | 17.929 |
| 444CESO072 | Decon -B453 | 0.50 | ea | EE | 694 | 347 | 7.091 | 0 | 0 | 7.091 | 3.302 | 10.393 |
| 444Haz1 | Verify and Review Survey/Decon Procedures | 0.50 | ea | EE | 16 | 8 | 221 | 0 | 0 | 221 | 103 | 324 |
| 444Haz10 | Remove and Repack Legacy Waste | 0.50 | ea | EE | 10.568 | 5.284 | 108.070 | 82.144 | 0 | 190.215 | 50.317 | 240.531 |
| 444Haz100 | Make Room for Sources in B126 | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 55 | 172 |
| 444Haz101 | Prepare Documentation for Source Transfer | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 55 | 172 |
| 444Haz102 | Survey Source Containers | 0.50 | ea | EE | 16 | 8 | 166 | 357 | 0 | 523 | 77 | 600 |
| 444Haz103 | Prepare Sources for Transfer | 0.50 | ea | EE | 92 | 46 | 929 | 0 | 0 | 929 | 432 | 1,361 |
| 444Haz104 | Transfer Sources to B126 | 0.50 | ea | EE | 4 | 2 | 46 | 0 | 0 | 46 | 21 | 68 |
| 444Haz105 | Prepare Closeout Documentation | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 55 | 172 |
| 444Haz106 | Overpack/Stabilize Drums for Shipment | 0.50 | ea | EE | 120 | 60 | 1,280 | 2,257 | 0 | 3,536 | 596 | 4,132 |
| 444Haz107 | Ship Drums | 0.50 | ea | EE | 24 | 12 | 233 | 5,913 | 0 | 6,146 | 109 | 6,254 |
| 444Haz108 | Prepare Closeout Documentation | 0.50 | ea | EE | 16 | 8 | 204 | 0 | 0 | 204 | 95 | 299 |
| 444Haz11 | Prepare Legacy Waste Closeout Documentation | 0.50 | ea | EE | 36 | 18 | 453 | 0 | 0 | 453 | 211 | 664 |
| 444Haz12 | Prepare IWCP for Legacy Waste Repack | 0.50 | ea | EE | 106 | 53 | 1,157 | 0 | 0 | 1,157 | 539 | 1,696 |
| 444Haz13 | Activity Hazards Analysis | 0.50 | ea | EE | 28 | 14 | 432 | 227 | 0 | 659 | 201 | 860 |
| 444Haz14 | Develop RWP | 0.50 | ea | EE | 36 | 18 | 481 | 0 | 0 | 481 | 224 | 705 |
| 444Haz15 | Prepare Legacy Waste Processing Area | 0.50 | ea | EE | 436 | 218 | 4,429 | 9,496 | 0 | 13,925 | 2,062 | 15,987 |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | | | | | |
|----------|--|------|------|----|-------|-------|--------|---------|---|---------|--------|---------|
| 444Haz16 | WASTE PACKING rm 601. 602 | 0.50 | ea | EE | 5,019 | 2,509 | 54,908 | 41,597 | 0 | 96,504 | 25,565 | 122,069 |
| 444Haz17 | Prepare IWCP for Fixative Application | 0.50 | ea | EE | 106 | 53 | 1,944 | 0 | 0 | 1,944 | 905 | 2,849 |
| 444Haz18 | Ver./Rev. Existing IWCP, WGI, RWP, and AHA | 0.50 | ea | EE | 11 | 5 | 147 | 227 | 0 | 375 | 69 | 443 |
| 444Haz19 | WASTE PACKING RM 101 | 0.50 | ea | EE | 7,086 | 3,543 | 77,051 | 31,571 | 0 | 108,622 | 35,874 | 144,497 |
| 444Haz2 | Develop Survey Plans | 0.50 | ea | EE | 44 | 22 | 680 | 0 | 0 | 680 | 317 | 997 |
| 444Haz20 | WASTE PACKING B447 | 0.50 | ea | EE | 2,811 | 1,406 | 28,530 | 14,596 | 0 | 43,126 | 13,283 | 56,409 |
| 444Haz21 | WASTE PACKING RM 104. 109 areas | 0.50 | ea | EE | 2,802 | 1,401 | 30,651 | 14,596 | 0 | 45,247 | 14,271 | 59,519 |
| 444Haz22 | WASTE PACKING Basement | 0.50 | ea | EE | 8,073 | 4,037 | 88,102 | 34,460 | 0 | 122,561 | 41,019 | 163,581 |
| 444Haz23 | WASTE PACKING Mezzanine | 0.50 | ea | EE | 4,688 | 2,344 | 51,152 | 25,449 | 0 | 76,601 | 23,816 | 100,418 |
| 444Haz24 | WASTE PACKING Be Shop | 0.50 | ea | EE | 4,375 | 2,187 | 48,834 | 15,557 | 0 | 64,391 | 22,737 | 87,127 |
| 444Haz25 | Closeout Documentation | 0.50 | ea | EE | 25 | 12 | 317 | 0 | 0 | 317 | 148 | 465 |
| 444Haz26 | Perform Surveys/Decon as read to Release Basemnt | 0.50 | ea | EE | 1,001 | 500 | 10,439 | 451 | 0 | 10,890 | 4,860 | 15,750 |
| 444Haz27 | Document and Depost areas as completed | 0.50 | ea | EE | 222 | 111 | 3,673 | 0 | 0 | 3,673 | 1,710 | 5,383 |
| 444Haz28 | Perform Surveys/Decon as read to Release NDT | 0.50 | ea | EE | 378 | 189 | 3,946 | 451 | 0 | 4,397 | 1,837 | 6,235 |
| 444Haz29 | Perform Surveys/Decon as read to Release B447 | 0.50 | ea | EE | 634 | 317 | 6,596 | 451 | 0 | 7,048 | 3,071 | 10,119 |
| 444Haz3 | APPLICATION CONTAM CTL Be Shop | 0.50 | ea | EE | 64 | 32 | 699 | 6,545 | 0 | 7,244 | 326 | 7,570 |
| 444Haz30 | Perform Surveys/Decon as read to Release B448 | 0.50 | ea | EE | 346 | 173 | 3,614 | 451 | 0 | 4,065 | 1,683 | 5,748 |
| 444Haz31 | Perform Surveys/Decon as read to Release Rm 179 | 0.50 | ea | EE | 864 | 432 | 9,074 | 451 | 0 | 9,525 | 4,225 | 13,750 |
| 444Haz32 | Perf Surv/Decon as read to Release B453 | 0.50 | ea | EE | 378 | 189 | 3,946 | 451 | 0 | 4,397 | 1,837 | 6,235 |
| 444Haz33 | Perform Surveys/Decon as read to Release Rm 138 | 0.50 | ea | EE | 376 | 188 | 3,950 | 451 | 0 | 4,401 | 1,839 | 6,240 |
| 444Haz34 | Perform Surveys/Decon as read to Release Misc. | 0.50 | ea | EE | 634 | 317 | 6,563 | 451 | 0 | 7,014 | 3,056 | 10,070 |
| 444Haz35 | Prepare Closeout Documentation | 0.50 | ea | EE | 16 | 8 | 264 | 0 | 0 | 264 | 123 | 388 |
| 444Haz4 | APPLICATION CONTAM CTL Fixative Rm 601 | 0.50 | ea | EE | 216 | 108 | 2,382 | 4,740 | 0 | 7,122 | 1,109 | 8,231 |
| 444Haz45 | Arrange Shipment of BeAST source to Vendor | 0.50 | ea | EE | 0 | 0 | 0 | 263 | 0 | 263 | 0 | 263 |
| 444Haz46 | Verify and Review Procedure for Source Removal | 0.50 | ea | EE | 8 | 4 | 132 | 0 | 0 | 132 | 62 | 194 |
| 444Haz47 | Package BeAST Source for shipment | 0.50 | ea | EE | 24 | 12 | 238 | 263 | 0 | 502 | 111 | 613 |
| 444Haz48 | Activity Hazards Analysis | 0.50 | ea | EE | 11 | 5 | 157 | 130 | 0 | 287 | 73 | 360 |
| 444Haz49 | Ship BeAST Source to Vendor | 0.50 | ea | EE | 24 | 12 | 238 | 0 | 0 | 238 | 111 | 349 |
| 444Haz5 | DU REMOVAL RM202 | 0.50 | ea | EE | 2,681 | 1,341 | 30,871 | 43,329 | 0 | 74,200 | 14,374 | 88,574 |
| 444Haz50 | Develop RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 90 | 284 |
| 444Haz51 | Prepare Closeout Documentation | 0.50 | ea | EE | 0 | 0 | 0 | 455 | 0 | 455 | 0 | 455 |
| 444Haz52 | Prepare IWCP for Draining of Proc. Equip. | 0.50 | ea | EE | 77 | 39 | 1,413 | 0 | 0 | 1,413 | 658 | 2,070 |
| 444Haz53 | Activity Hazards Analysis | 0.50 | ea | EE | 11 | 5 | 157 | 91 | 0 | 248 | 73 | 321 |
| 444Haz54 | Prepare RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 90 | 284 |
| 444Haz55 | Sample and Analyze Machine Oil | 0.50 | ea | EE | 142 | 71 | 1,551 | 61,401 | 0 | 62,952 | 722 | 63,674 |
| 444Haz56 | Drain Process Equipment | 0.50 | ea | EE | 3,879 | 1,940 | 40,074 | 3,733 | 0 | 43,807 | 18,658 | 62,465 |
| 444Haz57 | Dispose of Oil from Process Equipment | 0.50 | ea | EE | 272 | 136 | 3,089 | 0 | 0 | 3,089 | 1,438 | 4,527 |
| 444Haz58 | Closeout Doc. & Update Idle Equip List | 0.50 | ea | EE | 36 | 18 | 453 | 0 | 0 | 453 | 211 | 664 |
| 444Haz59 | Verify Analytical Data | 0.50 | ea | EE | 16 | 8 | 204 | 0 | 0 | 204 | 95 | 299 |
| 444Haz6 | DU REMOVAL B444 RM 204 | 0.50 | ea | EE | 1,064 | 532 | 12,169 | 16,790 | 0 | 28,958 | 5,666 | 34,624 |
| 444Haz60 | Determine Quantities/Disposition of Dep. Uranium | 0.50 | ea | EE | 178 | 89 | 4,754 | 3,184 | 0 | 7,937 | 2,213 | 10,150 |
| 444Haz61 | Prepare IWCP for DU Removal | 0.50 | ea | EE | 153 | 76 | 2,778 | 0 | 0 | 2,778 | 1,293 | 4,071 |
| 444Haz62 | Activity Hazards Analysis | 0.50 | ea | EE | 25 | 12 | 373 | 227 | 0 | 600 | 174 | 774 |
| 444Haz63 | Develop RWP | 0.50 | ea | EE | 21 | 11 | 290 | 0 | 0 | 290 | 135 | 424 |
| 444Haz64 | Prepare Du Processing Area | 0.50 | ea | EE | 436 | 218 | 4,429 | 9,496 | 0 | 13,925 | 2,062 | 15,987 |
| 444Haz65 | PROJECT CONTROL ACTIVITIES HAZ RED C444 | 0.50 | ea | EE | 0 | 0 | 0 | 40,525 | 0 | 40,525 | 0 | 40,525 |
| 444Haz66 | BUDGET & ADMIN ACT. PM & PLAN. HAZ RED C444 | 0.50 | ea | EE | 0 | 0 | 0 | 44,045 | 0 | 44,045 | 0 | 44,045 |
| 444Haz67 | Hot/Cold Laundry Support | 0.50 | each | EE | 0 | 0 | 0 | 90,965 | 0 | 90,965 | 0 | 90,965 |
| 444Haz68 | Janitorial Support | 0.50 | each | VQ | 0 | 0 | 0 | 17,283 | 0 | 17,283 | 0 | 17,283 |
| 444Haz69 | MANAGEMENT ACTIVITIES HAZ RED C444 | 0.50 | ea | EE | 1,370 | 685 | 24,498 | 359,643 | 0 | 384,141 | 11,406 | 395,547 |
| 444Haz7 | DU REMOVAL B447 RM 403 | 0.50 | ea | EE | 687 | 343 | 8,343 | 8,801 | 0 | 17,144 | 3,884 | 21,028 |
| 444Haz70 | FIELD MANAGEMENT HAZ RED C444 | 0.50 | ea | EE | 0 | 0 | 0 | 61,909 | 0 | 61,909 | 0 | 61,909 |
| 444Haz71 | Prepare Revision to PEP for D&D | 0.50 | ea | EE | 0 | 0 | 0 | 1,137 | 0 | 1,137 | 0 | 1,137 |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter *
Baseline Devl
1EDC

Starts In FY *

| | | | | | | | | | | | | |
|--------------|--|-------|----|----|--------|-------|---------|---------|---|---------|--------|---------|
| 444Haz72 | Prepare QA Plan | 0.50 | ea | EE | 0 | 0 | 0 | 682 | 0 | 682 | 0 | 682 |
| 444Haz73 | Prepare Health and Safety Plan | 0.50 | ea | EE | 0 | 0 | 0 | 455 | 0 | 455 | 0 | 455 |
| 444Haz74 | Develop D&D Schedule and Cost Estimate | 0.50 | ea | EE | 0 | 0 | 0 | 2,274 | 0 | 2,274 | 0 | 2,274 |
| 444Haz75 | Prepare Waste Management Plan | 0.50 | ea | EE | 0 | 0 | 0 | 910 | 0 | 910 | 0 | 910 |
| 444Haz76 | D&D Training and Qualification Plan | 0.50 | ea | EE | 0 | 0 | 0 | 455 | 0 | 455 | 0 | 455 |
| 444Haz77 | Prepare Economic Disposition Plan | 0.50 | ea | EE | 0 | 0 | 0 | 355 | 0 | 355 | 0 | 355 |
| 444Haz78 | Develop WBS Dictionary | 0.50 | ea | EE | 0 | 0 | 0 | 5,594 | 0 | 5,594 | 0 | 5,594 |
| 444Haz79 | Develop Schedule and Cost Estimate | 0.50 | ea | EE | 0 | 0 | 0 | 2,311 | 0 | 2,311 | 0 | 2,311 |
| 444Haz8 | DU REMOVAL B444 RM 33A.32. 502 | 0.50 | ea | EE | 580 | 290 | 6,346 | 4,739 | 0 | 11,085 | 2,954 | 14,039 |
| 444Haz80 | Revise and Issue PEP REV 1 for Hazards Reduction | 0.50 | ea | EE | 0 | 0 | 0 | 12,053 | 0 | 12,053 | 0 | 12,053 |
| 444Haz81 | Revise and Issue PEP REV 2 for Hazards Reduction | 0.50 | ea | EE | 0 | 0 | 0 | 9,181 | 0 | 9,181 | 0 | 9,181 |
| 444Haz82 | Evaluate Options for Equipment Disposition | 0.50 | ea | EE | 0 | 0 | 0 | 9,096 | 0 | 9,096 | 0 | 9,096 |
| 444Haz83 | Develop Decision Doc. for Equipment Disposition | 0.50 | ea | EE | 0 | 0 | 0 | 9,096 | 0 | 9,096 | 0 | 9,096 |
| 444Haz84 | Review/Revise Authorization Basis | 0.50 | ea | EE | 0 | 0 | 0 | 9,096 | 0 | 9,096 | 0 | 9,096 |
| 444Haz85 | Eval D&D Staff & Office Space Req. | 0.50 | ea | EE | 0 | 0 | 0 | 4,548 | 0 | 4,548 | 0 | 4,548 |
| 444Haz86 | Perform Equipment Accountability | 0.50 | ea | EE | 0 | 0 | 0 | 36,841 | 0 | 36,841 | 0 | 36,841 |
| 444Haz87 | IWCP Planning | 0.50 | ea | EE | 90 | 45 | 1,631 | 0 | 0 | 1,631 | 759 | 2,390 |
| 444Haz88 | SES/ORC Reviews | 0.50 | ea | EE | 18 | 9 | 265 | 0 | 0 | 265 | 123 | 388 |
| 444Haz89 | RWP Prep/Alara Review/JHA Dymnt | 0.50 | ea | EE | 21 | 11 | 290 | 0 | 0 | 290 | 135 | 424 |
| 444Haz9 | Prepare DU Removal Closeout Documentation | 0.50 | ea | EE | 16 | 8 | 221 | 0 | 0 | 221 | 103 | 324 |
| 444Haz90 | Sample Request | 0.50 | ea | EE | 7 | 4 | 98 | 0 | 0 | 98 | 46 | 144 |
| 444Haz91 | Perform Sampling | 0.50 | ea | EE | 40 | 20 | 427 | 0 | 0 | 427 | 199 | 625 |
| 444Haz92 | Receive Sample Results | 0.50 | ea | EE | 0 | 0 | 0 | 6,822 | 0 | 6,822 | 0 | 6,822 |
| 444Haz93 | IWCP Planning for Packaging | 0.50 | ea | EE | 77 | 39 | 1,413 | 0 | 0 | 1,413 | 658 | 2,070 |
| 444Haz94 | SES/ORC Reviews for Packaging | 0.50 | ea | EE | 21 | 11 | 290 | 0 | 0 | 290 | 135 | 424 |
| 444Haz95 | RWP Prep/Alara Review/JHA Dymnt for Pking | 0.50 | ea | EE | 11 | 5 | 157 | 273 | 0 | 430 | 73 | 503 |
| 444Haz96 | Activity Hazards Analysis | 0.50 | ea | EE | 18 | 9 | 246 | 114 | 0 | 359 | 114 | 474 |
| 444Haz97 | Prepare RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 90 | 284 |
| 444Haz98 | Prepare Engineering/ IWCP for Deenergization | 0.50 | ea | EE | 133 | 66 | 2,339 | 6,552 | 0 | 8,891 | 1,089 | 9,981 |
| 444Haz99 | Verify/Review Procedure for Source Removal | 0.50 | ea | EE | 7 | 4 | 118 | 0 | 0 | 118 | 55 | 172 |
| 444Lhaz27 | Prepare Transfer/Shipping Documentation | 0.50 | ea | EE | 16 | 8 | 204 | 0 | 0 | 204 | 95 | 299 |
| 444Lhaz36 | Identify Legacy Oil | 0.50 | ea | EE | 24 | 12 | 306 | 0 | 0 | 306 | 142 | 448 |
| 444Lhaz38 | Evaluate Disposition of Oil | 0.50 | ea | EE | 24 | 12 | 306 | 0 | 0 | 306 | 142 | 448 |
| 444Lhaz40 | Sample Drums | 0.50 | ea | EE | 965 | 482 | 10,522 | 0 | 0 | 10,522 | 4,899 | 15,420 |
| 444Lhaz41 | Analyze Samples | 18.50 | ea | VQ | 4 | 66 | 1,677 | 16,828 | 0 | 18,505 | 781 | 19,286 |
| 444Lhaz42 | Prepare Drums for Transfer | 0.50 | ea | EE | 256 | 128 | 2,791 | 4,513 | 0 | 7,305 | 1,300 | 8,604 |
| 444Lhaz43 | Transfer Oil | 0.50 | ea | EE | 32 | 16 | 349 | 2,274 | 0 | 2,623 | 162 | 2,785 |
| 444Lhaz44 | Prepare Closeout Documentation | 0.50 | ea | EE | 24 | 12 | 306 | 0 | 0 | 306 | 142 | 448 |
| 444PERem1 | Process Equipment Removal -Carbon shop | 0.50 | ea | EE | 4,207 | 2,103 | 47,684 | 22,567 | 0 | 70,251 | 22,201 | 92,452 |
| 444PERem10 | Process Equipment Removal -Basement | 0.50 | ea | EE | 9,756 | 4,878 | 110,043 | 90,268 | 0 | 200,311 | 51,235 | 251,546 |
| 444PERem11 | Process Equipment Removal -Second Floor | 0.50 | ea | EE | 4,900 | 2,450 | 55,416 | 90,268 | 0 | 145,685 | 25,801 | 171,486 |
| 444PERem12 | Process Equipment Removal -Be Shop | 0.50 | ea | EE | 9,667 | 4,834 | 108,462 | 135,402 | 0 | 243,865 | 50,499 | 294,364 |
| 444PERem2 | Process Equipment Removal -Precision Shop | 0.50 | ea | EE | 8,573 | 4,287 | 97,636 | 22,567 | 0 | 120,203 | 45,458 | 165,661 |
| 444PERem3 | Process Equipment Removal -Utility Areas | 0.50 | ea | EE | 4,207 | 2,103 | 47,684 | 22,567 | 0 | 70,251 | 22,201 | 92,452 |
| 444PERem4 | Process Equipment Removal -Admin Area | 0.50 | ea | EE | 4,207 | 2,103 | 49,726 | 22,567 | 0 | 72,293 | 23,152 | 95,445 |
| 444PERem5 | Process Equipment Removal -Stress Relief | 0.50 | ea | EE | 4,207 | 2,103 | 49,726 | 22,567 | 0 | 72,293 | 23,152 | 95,445 |
| 444PERem6 | Process Equipment Removal -Room 101 | 0.50 | ea | EE | 16,668 | 8,334 | 186,770 | 135,402 | 0 | 322,172 | 86,959 | 409,131 |
| 444PERem7 | Process Equipment Removal -Room 601/602 | 0.50 | ea | EE | 4,847 | 2,423 | 54,327 | 90,268 | 0 | 144,595 | 25,294 | 169,890 |
| 444PERem8 | Process Equipment Removal -B447 | 0.50 | ea | EE | 9,454 | 4,727 | 104,810 | 90,268 | 0 | 195,079 | 48,799 | 243,878 |
| 444PERem9 | Process Equipment Removal -Room 104/109 | 0.50 | ea | EE | 4,900 | 2,450 | 55,416 | 90,268 | 0 | 145,685 | 25,801 | 171,486 |
| 444persrelo1 | Identify Non-Essential personnel | 0.50 | ea | EE | 40 | 20 | 1,070 | 0 | 0 | 1,070 | 498 | 1,568 |
| 444persrelo2 | Find Space for Non-Essential Personnel | 0.50 | ea | EE | 40 | 20 | 1,070 | 0 | 0 | 1,070 | 498 | 1,568 |
| 444persrelo3 | Prepare Personnel Move Documentation | 0.50 | ea | EE | 32 | 16 | 561 | 0 | 0 | 561 | 261 | 822 |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | | | | | | |
|------------------------------|--|------|----|----|-------|-------|--------|-----------|-----------|---------|-----------|---------|-----------|
| 444persrelo4 | Move Personnel | 0.50 | ea | EE | 128 | 64 | 3,423 | 16,654 | 0 | 20,077 | 1,594 | 21,670 | |
| 444persrelo5 | Prepare Closeout Documentation | 0.50 | ea | EE | 7 | 4 | 190 | 0 | 0 | 190 | 89 | 279 | |
| 444proEqp30 | Deenergize Process Equipment | 0.50 | ea | EE | 2,363 | 1,181 | 27,145 | 0 | 0 | 27,145 | 12,639 | 39,784 | |
| 444proEqp31 | Closeout Documentation & Drawing Updates | 0.50 | ea | EE | 0 | 0 | 0 | 12,735 | 0 | 12,735 | 0 | 12,735 | |
| 444proprem32 | Activity Hazards Analysis | 0.50 | ea | EE | 18 | 9 | 246 | 114 | 0 | 359 | 114 | 474 | |
| 444proprem33 | Prepare RWP | 0.50 | ea | EE | 14 | 7 | 194 | 0 | 0 | 194 | 90 | 284 | |
| 444proprem34 | Prepare Engineering/ IWCP for Deenergization | 0.50 | ea | EE | 133 | 66 | 2,339 | 6,552 | 0 | 8,891 | 1,089 | 9,981 | |
| SYS | Contingency And Escalation | 1.00 | ea | EE | 0 | 0 | 0 | 0 | 287,427 | 287,427 | 0 | 287,427 | |
| Total for Activity 1EDC5201: | | | | | | | 84,620 | 1,889,369 | 2,082,950 | 287,427 | 4,259,746 | 879,675 | 5,139,421 |

Line Item 444CES0010 - Flush Cooling Tower -B457

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for Flushing the cooling tower | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Flushing cooling tower | | | | | | | | | |
| | Units - lot | | | | | | | | | |
| | Unit Cost - 810 hours \$10,000 ODCS | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| | | | | | | | | | | | | |
|-----------|--------------|--------------------|-------|---------|----------------------------------|-----------------------------|-------|-------------------------------|---------------------------------|--------|----------|---------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | | |
| | 750 | STRAIGHT TIME BASE | | L060 | MISSION SUP SPEC II (FLTTCCH. WS | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 480.24 | Hours |
| | Factors | | 540 | Hours | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - System | | | |
| | 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C104S | Closure Management | | Linear | 240.12 | Hours |
| | Factors | | 270 | Hours | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - System | | | |
| | A5C | SUPPLIES | | 0000 | NONE | | C104S | Closure Management | | Linear | 9,026.82 | Dollars |
| | Factors | | 10000 | Dollars | | 1.015 -- FY00 Escalation -- | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - System | | | |

Line Item 444CES0011 - Stripout -B457

| | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for stripping out the cooling tower | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item -Colling tower stripout | | | | | | | | | |
| | Units - Hours | | | | | | | | | |
| | Unit Cost - 715 | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|---------------------------------|------------|-------------------------------|---------|---------------------------------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L050 | MISSION SUP SPEC I (CBLFAB,DSP. | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| Factors | | 540 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - System | |
| 750 | | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 88.93 | Hours |
| Factors | | 100 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - System | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

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|---------|----------------------|-------|---------------------------------|-------|-------------------------------|--------|-------|-------|
| 751 | OVERTIME BASE & PRE. | L050 | MISSION SUP SPEC I (CBLFAB.DSP. | KE10H | Indust/Site Srvs Steelworkers | Linear | 66.70 | Hours |
| Factors | 75 | hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444CESO020 - Process Equipment Removal -B455

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for Equipment removal in B455 | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | |
| | Item - Equipment Removal | | | | | | | |
| | Units - hours | | | | | | | |
| | Unit Cost - 3853 | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,307.84 | Hours |
| Factors | 2595 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|----------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|--------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 461.57 | Hours |
| Factors | 519 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 461.57 | Hours |
| Factors | 519 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|----------------------|-------|----------------------|-------|-------------------------------|--------|-------|-------|
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | HOURS | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444CESO030 - Process Equipment Removal -B427

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for B427. | | | | | | | |
| | Experience Item Desc - Removal of equipment | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | |
| | Item - Equipment Removal | | | | | | | |
| | Units - 1) Hours 2) Dollars | | | | | | | |
| | Unit Cost - 1) 3,109 2) \$1,800 ODC's | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|----------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,307.84 | Hours |
| Factors | 2595 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|----------------------|-------|------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | C232S | NG Vehicle/Equip Maintenance | Linear | 21.34 | Hours |
| Factors | 24 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
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Starts In FY *

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|---------|----------------------|---------|--------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 213.44 | Hours |
| Factors | 240 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5L | RENTALS | 0000 | NONE | C232S | NG Vehicle/Equip Maintenance | Linear | 1.624.83 | Dollars |
| Factors | 1800 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444CES0040 - Flush Cooling Tower-B454

| | |
|-----|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to flush cooling tower. |
| | Experience Item Desc - Building Decommissioning |
| | Breakdown of Cost Data: Item - Coolin tower Flush Units - lot Unit Cost - 775 hours, \$10,000 odcs Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |

| | | | | | | | | | |
|-----------|--------------|----------------------|---------|---|-----------------------|---|--------|----------|---------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L050 | MISSION SUP SPEC I (CBLFAB.DSP. | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| | Factors | 540 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 142.29 | Hours |
| | Factors | 160 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| | 751 | OVERTIME BASE & PRE. | L050 | MISSION SUP SPEC I (CBLFAB.DSP. | KE10H | Indust/Site Srvs Steelworkers | Linear | 66.70 | Hours |
| | Factors | 75 | HOURS | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | |
| | A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 9.026.82 | Dollars |
| | Factors | 10000 | Dollars | 1.015 | -- FY00 Escalation -- | 0.88934 [SYS 061400] .88934200 - Svstem | | | |
| | | | | | | | | | |

Line Item 444CES0041 - Stripout -B454

| | |
|-----|---|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to stripout B454 |
| | Experience Item Desc - Building Decommissioning |
| | Breakdown of Cost Data: Item - Stripout B454 Units - Hours Unit Cost - 710 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|----------------------|------------|-------------------------------|---------|--------------------------------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| | Factors | 540 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400].88934200 - Svstem | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

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|-------------------|----------------------|---|--------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C103S | Environmental Compliance | Linear | 106.72 | Hours |
| Factors 120 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 44.47 | Hours |
| Factors 50 hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444CESO050 - Process Equipment Removal -B450

| | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to remove equipment from B450 | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Equipment Removal | | | | | | | | | |
| | Units - Hours | | | | | | | | | |
| | Unit Cost - 3709 | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| | Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|----------------------|--------------------|--------------------------------|--------------------------------|---|-------------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 106.72 | Hours |
| Factors | | 120 | Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,307.84 | Hours | |
| Factors | | 2595 | Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 213.44 | Hours | |
| Factors | | 240 | Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 461.57 | Hours | |
| Factors | | 519 | Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 209.00 | Hours | |
| Factors | | 235 | HOURS | | 0.88934 [SYS 061400] .88934200 - System | | | | |

Line Item 444CESO060 - Process Equipment Removal -B451

| | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for B451. | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Process Equipment Removal - B451 | | | | | | | | | |
| | Units - Hours | | | | | | | | | |
| | Unit Cost - 386 | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| Basis for adjustment - N/A | | | | | | | | | | |
| This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | | |

| | | | | | | | | | |
|-------------------|--------------|---|-------|--------------------------------|------------|-------------------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 213.44 | Hours |
| Factors 240 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

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|---------|----------------------|-------|--------------------------------|-------|-------------------------------|---------|--------------|---------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 42.69 | Hours |
| Factors | 48 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svsstem |
| 750 | STRAIGHT TIME BASE | P070 | COST ESTIMATORS PLANNERS AN | C106S | Business Management Office | Linear | 42.69 | Hours |
| Factors | 48 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svsstem |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 44.47 | Hours |
| Factors | 50 | HOURS | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svsstem |

Line Item 444CESO070 - Process Equipment Removal -B453

| | |
|-----|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to remove equipment from B453 |
| | Experience Item Desc - Building Decommissioning |
| | Breakdown of Cost Data: Item - Equipment Removal Units - hours Unit Cost - 1,300 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|----------------------|--------------------|--|--------------------------------|-------------------------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 106.72 | Hours |
| Factors | 120 | Hours | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours | |
| Factors | 540 | Hours | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 240.12 | Hours | |
| Factors | 270 | Hours | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 240.12 | Hours | |
| Factors | 270 | Hours | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours | |
| Factors | 100 | HOURS | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |

Line Item 444CESO071 - Stripout -B453

| | |
|-----|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to stripout B453. |
| | Experience Item Desc - Building Decommissioning |
| | Breakdown of Cost Data: Item - Utility Isolation and Reroute Units - Hours Unit Cost - 1350 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |

| | | | | | | |
|-----------|--------------|-------|------------|-------|----------|-------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
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Starts In FY *

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|---------|----------------------|-------|----------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC.H. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 240.12 | Hours |
| Factors | 270 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 480.24 | Hours |
| Factors | 540 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 240.12 | Hours |
| Factors | 270 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC.H. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444CESO072 - Decon B453

| | |
|-----|---|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to decontaminate B453. |
| | Experience Item Desc - Building Decommissioning |
| | Breakdown of Cost Data: Item - Utility Isolation and Reroute Units - Hours Unit Cost - 840 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |

| | | | | | | | | | |
|-----------|--------------|----------------------|-------|----------------------------------|------------|-------------------------------|--------|----------|---------------------------------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 533.61 | Hours |
| | Factors | 600 | Hours | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 106.72 | Hours |
| | Factors | 120 | Hours | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| | 751 | OVERTIME BASE & PRE. | L060 | MISSION SUP SPEC II (FLTTC.H. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 53.36 | Hours |
| | Factors | 60 | hours | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |

Line Item 444Haz1 - Verify and Review Survey/Decon Procedures

| | |
|-----|---|
| BOE | Estimators Experience - B444 Radiological Engineer - 10 Years experience. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish this procedure review. |
| | Experience Item Desc - Procedure Review |
| | Breakdown of Cost Data: Item - Procedure Review Units - Lot Unit Cost - 18 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |

| | | | | | | |
|-----------|--------------|-------|------------|-------|----------|-------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

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|---------|--------------------|-------|------------------------------|-------|-----------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C100S | Closure Site Services | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz10 - Remove and Repack Legacy Waste

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal Legacy Waste crates and drums from B444. Experience Item Desc - Waste repackaging Breakdown of Cost Data: Item - Legacy Waste Repacking and Removal Units - Lot Unit Cost -11883 hours \$182000 ODC Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment -Estimators Experience - B444 Line Manager Experience Item Desc - Legacy waste repacking Breakdown of Cost Data: Item - Legacy waste drums and crates Units - lot Unit Cost - 3,582 hours of RCT support,766 hours of supervision, 1899 hours of waste certification, 5,436 hours of D&D worker, 107,000 of supplies , waste crates and analytical samples. \$75,000 for SCBA leasing. Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|----------------------|---|--------------------------------|------------|-------------------------------|--------|-----------|---------|
| | 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 1.688.86 | Hours |
| Factors | 1899 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 4.834.46 | Hours |
| Factors | 5436 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C100S | Closure Site Services | Linear | 681.24 | Hours |
| Factors | 766 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 3.185.62 | Hours |
| Factors | 3582 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 177.87 | Hours |
| Factors | 200 | ot hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | A5C | SUPPLIES | 0000 | NONE | C100S | Closure Site Services | Linear | 96.586.98 | Dollars |
| Factors | 107000 | Dollars | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | A5C | SUPPLIES | M010 | FOREMEN / TEAM LEADS / GROUP | C100S | Closure Site Services | Linear | 67.701.16 | Dollars |
| Factors | 75000 | Dollars | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
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Line Item 444Haz100 - Make Room for Sources in B126

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to make room for sources in B126. Experience Item Desc - Moving equipment Breakdown of Cost Data: Item - Making room Units - Hours Unit Cost - 8 | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-------------------|------------|-----------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
| | Factors | 8 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz101 - Prepare Documentation for Source Transfer

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare documentation for source removal from B444. | | | | | | | | | |
| | Experience Item Desc - Document Preparing | | | | | | | | | |
| | Breakdown of Cost Data: Item - Document Units - Hours Unit Cost - 8 Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|-----------------|--------------------|-------|-------------------|------------|-----------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
| | Factors 8 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz102 - Survey Source Containers

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to survey source containers. | | | | | | | | | |
| | Experience Item Desc - Radiological and Be surveys | | | | | | | | | |
| | Breakdown of Cost Data: Item - Surveys Units - 1) Hours 2) Dollars Unit Cost - 1) 18 2) \$775 ODCs Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 16.01 | Hours |
| | Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|-----------------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C100S | Closure Site Services | Linear | 240.15 | Dollars |
| Factors | 264 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|-----------------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C100S | Closure Site Services | Linear | 473.93 | Dollars |
| Factors | 521 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz103 - Prepare Sources for Transfer

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare sources for transfer. | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Experience Item Desc - Shipping preparation

Breakdown of Cost Data:

Item - Preparing sources for transfer
Units - Hours
Unit Cost - 104
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 56.03 | Hours |

Factors 63 Hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 36.46 | Hours |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|-------|-------|

Factors 41 Hours

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz104 - Transfer Sources to B126

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to transfer sources.

Experience Item Desc - Equipment transportation

Breakdown of Cost Data:

Item - Equipment transportation
Units - Hours
Unit Cost - 5
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 4.45 | Hours |

Factors 5 Hours

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz105 - Prepare Closeout Documentation

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare closeout documentation.

Experience Item Desc - Dcoument Preparation

Breakdown of Cost Data:

Item - Closeout Document
Units - Hours
Unit Cost - 8
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-------------------|------------|-----------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C100S | Closure Site Services | Linear | 7.11 | Hours |

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz106 - Overpack/Stabilize Drums for Shipment

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

based on the lowest level of support required to DU chip processing.

Experience Item Desc - Du processing

Breakdown of Cost Data:
Item - Du chip processing
Units - 1) Hours 2) Dollars
Unit Cost 1) 135 2) \$5,000 ODCs
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|----------------------|--------------------|---|------------------------------|------------|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 72.04 | Hours |
| Factors 81 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C210S | Facilities Mamt & Maintenance | Linear | 24.01 | Hours |
| Factors 27 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 24.01 | Hours |
| Factors 27 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C100S | Closure Site Services | Linear | 4.513.41 | Dollars |
| Factors 5000 Dollars | | 1.015 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz107 - Ship Drums

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to ship drums.

Experience Item Desc - Drum shipment

Breakdown of Cost Data:
Item - Ship Drums
Units - 1) Hours 2) Dollars
Unit Cost - 1) 27 2) \$13,000 ODCs
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------|--------------------|---|----------------------|------------|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | C232S | NG Vehicle/Equip Maintenance | Linear | 10.67 | Hours |
| Factors 12 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 13.34 | Hours |
| Factors 15 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C210S | Facilities Mamt & Maintenance | Linear | 11.825.39 | Dollars |
| Factors 13000 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz108 - Prepare Closeout Documentation

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Cosout documentation.

Experience Item Desc - Document Preparation

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Breakdown of Cost Data:
Item - Closeout Document
Units - Hours
Unit Cost - 18
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-----------------------|------------|-------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 16.01 | Hours |
| | Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz11 - Prepare Legacy Waste Closeout Documentation

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish preparing closeout documentation.

Breakdown of Cost Data:
Item - Closeout Documentation
Units - Lot
Unit Cost -40 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|-----------------------|------------|-------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 35.57 | Hours |
| | Factors | 40 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz12 - Prepare IWCP for Legacy Waste Repack

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 202.

Experience Item Desc - IWCP preparation
Breakdown of Cost Data:
Item - iwcp
Units - Lot
Unit Cost -119 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|---------------------------|------------|----------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C214S | Building Maintenance | Linear | 48.02 | Hours |
| | Factors | 54 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|------------------------------|------------|----------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C214S | Building Maintenance | Linear | 57.81 | Hours |
| | Factors | 65 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz13 - Activity Hazards Analysis

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish activity hazards analysis.

Experience Item Desc - Hazard Analysis
Breakdown of Cost Data:
Item - Activity Hazard Analysis
Units - Lot
Unit Cost -32 hours \$500 ODC
Unit Cost Adjustment factor -

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---------------------|--------------------|---|------------------------------|------------|-------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 14.23 | Hours |
| Factors 16 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C222S | Water System Operations | Linear | 14.23 | Hours |
| Factors 16 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water System Operations | Linear | 454.82 | Dollars |
| Factors 500 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz14 - Develop RWP

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish development of RWP's.
Experience Item Desc - RWP development
Breakdown of Cost Data:
Item - RWP
Units - Lot
Unit Cost -40 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C214S | Building Maintenance | Linear | 7.11 | Hours |
| Factors 8 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C214S | Building Maintenance | Linear | 14.23 | Hours |
| Factors 16 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 14.23 | Hours |
| Factors 16 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz15 - Prepare Legacy Waste Processing Area

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish preparation of a processing area for legacy waste.
Experience Item Desc - Building containment structures
Breakdown of Cost Data:
Item - Processing area containment structure
Units - Lot
Unit Cost -490 hours, \$21,024 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-------------------|--------------------|---|----------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC.III | KE10H | Indust/Site Srvs Steelworkers | Linear | 320.16 | Hours |
| Factors 360 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C214S | Building Maintenance | Linear | 35.57 | Hours |
| Factors | 40 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 80.04 | Hours |
| Factors | 90 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| A5C | SUPPLIES | 0000 | NONE | C214S | Building Maintenance | Linear | 17.150.96 | Dollars |
| Factors | 19000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 1.841.12 | Dollars |
| Factors | 2024 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

Line Item 444Haz16 - WASTE PACKING rm 601, 602

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packaging Breakdown of Cost Data: Item - Waste Packing Units - 1 Lot Unit Cost -5,643 hours, \$93,545 Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|---------|----------------------|----------|--------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 224.11 | Hours |
| Factors | 252 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 905.35 | Hours |
| Factors | 1018 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 136.96 | Hours |
| Factors | 154 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water System Operations | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 482.91 | Hours |
| Factors | 543 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 2.986.41 | Hours |
| Factors | 3358 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | ot hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 75.825.30 | Dollars |
| Factors | 84000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-------|-------------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 7.368.13 | Dollars |
| Factors | 8100 Dollars | 1.02283 | -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz17 - Prepare IWCP for Fixative Application

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish prepare IWCP. Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - IWCP Units - Lot Unit Cost -119 hours Unit Cost Adjustment factor - Revised Unit Cost - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|------------------|---|--------------------|--|-------|---------------------------|------------|-------|----------------------|----------|-------------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | | G010 | ADMINISTRATIVE ASSISTANTS | | C214S | Building Maintenance | Linear | 48.02 Hours |
| | Factors 54 Hours | | | | | | | | | |
| | 0.88934 ISYS 0614001 .88934200 - System | | | | | | | | | |
| | 750 | STRAIGHT TIME BASE | | M020 | MANAGERS (GRADE 69 - 72) | | C214S | Building Maintenance | Linear | 57.81 Hours |
| Factors 65 Hours | | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz18 - Ver. /Rev. Existing IWCP, WGI, RWP, and AHA

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to verify procedures. Experience Item Desc - Procedure verification Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -12 hours, \$500 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------|--------------|--------------------|---------|-------|-------------------------------|-----------------------|-------|-------------------------|-------------------------|--------|---------|--------------------------------|--|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | | | |
| | 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C222S | Water System Operations | | Linear | 10.67 | Hours | |
| | Factors | | | | | | | | | | | | |
| | 12 | Hours | | | | | | | | | | | |
| | A5H | SUBCONTRACTED SRVS | | | P090 | INDUSTRIAL HYGIENISTS | | C222S | Water System Operations | | 0.88934 | ISYS 0614001.88934200 - System | |
| Factors | | 500 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | Linear | 454.82 | | Dollars | |

0.88934 [SYS 061400] .88934200 - Svstem

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz19 - WASTE PACKING RM 101

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packing Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -7968 hours, \$69809 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | |
|-----------|--------------|-------|------------|-------|----------|-------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

| | | | | | | | | |
|---------|----------------------|----------|--------------------------------|-------|-------------------------------|---|-----------|---------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 320.16 | Hours |
| Factors | 360 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,316.23 | Hours |
| Factors | 1480 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 195.66 | Hours |
| Factors | 220 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water Svstem Operations | Linear | 32.02 | Hours |
| Factors | 36 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 670.56 | Hours |
| Factors | 754 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 4,284.85 | Hours |
| Factors | 4818 | Hours | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | OT hours | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 46,578.40 | Dollars |
| Factors | 51600 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water System Operations | Linear | 16,563.74 | Dollars |
| Factors | 18209 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - System | | |

Line Item 444Haz2 - Develop Survey Plans

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - Radiological Engineer B444 - 10 years experience. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish the development of the survey plans. Experience Item Desc - Development of Survey Plans Breakdown of Cost Data: Item -Survey Plan Units - Lot Unit Cost - 50 Hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---|-------------------|-------------------------------|-----------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 35.57 | Hours |
| Factors | 40 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 8.89 | Hours | |
| Factors | 10 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz20 - WASTE PACKING B447

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B447. Experience Item Desc - Waste Packing Breakdown of Cost Data: | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | |
|---|--|--|--|--|--|
| Item - Waste Packing Units - Lot Unit Cost -3161 hours, \$32283 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | |
|---|--|--|--|--|--|

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|---------|----------------------|------|--------------------------------|-------|-------------------------------|---|-----------|---------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 160.08 | Hours |
| Factors | 180 | | Hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 546.06 | Hours |
| Factors | 614 | | Hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,521.66 | Hours |
| Factors | 1711 | | Hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 106.72 | Hours |
| Factors | 120 | | Hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 97.83 | Hours |
| Factors | 110 | | Hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C104S | Closure Management | Linear | 16.01 | Hours |
| Factors | 18 | | Hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 296.15 | Hours |
| Factors | 333 | | Hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 66.70 | Hours |
| Factors | 75 | | ot hours | | | | | |
| | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 22,567.05 | Dollars |
| Factors | 25000 | | Dollars | | | | | |
| | | | 1.015 -- FY00 Escalation -- | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 6,624.95 | Dollars |
| Factors | 7283 | | Dollars | | | | | |
| | | | 1.02283 -- FY00 Escalation -- | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444Haz21 - WASTE PACKING RM 104, 109 areas

BOE

| | | | | | |
|--|--|--|--|--|--|
| EEstimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packing Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -3151 hours, \$32283 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | |
|--|--|--|--|--|--|

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|--|--------------|--|-------|--|------------|-------|----------|-------|
|--|--------------|--|-------|--|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---|----------------------|----------|--------------------------------|-------|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 160.08 | Hours |
| Factors | 180 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 546.06 | Hours |
| Factors | 614 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 97.83 | Hours |
| Factors | 110 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water System Operations | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 296.15 | Hours |
| Factors | 333 | Hours | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,521.66 | Hours |
| Factors | 1711 | Hours | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 57.81 | Hours |
| Factors | 65 | ot hours | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 22,567.05 | Dollars |
| Factors | 25000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water System Operations | Linear | 6,624.95 | Dollars |
| Factors | 7283 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | |

Line Item 444Haz22 - WASTE PACKING Basement

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packing Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -9078 hours, \$76209 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---|------------|-------------------------------|-------------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 320.16 | Hours |
| Factors | 360 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTC. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,316.23 | Hours | |
| Factors | 1480 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 320.16 | Hours | |
| Factors | 360 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|----------|-------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 195.66 | Hours |
| Factors | 220 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C104S | Closure Managemnt | Linear | 32.02 | Hours |
| Factors | 36 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 670.56 | Hours |
| Factors | 754 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 5,174.19 | Hours |
| Factors | 5818 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 44.47 | Hours |
| Factors | 50 | ot hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 52,355.56 | Dollars |
| Factors | 58000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 16,563.74 | Dollars |
| Factors | 18209 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |

Line Item 444Haz23 - WASTE PACKING Mezzanine

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444.
Experience Item Desc - Waste Packing
Breakdown of Cost Data:
Item - Waste Packing
Units - Lot
Unit Cost -5271 hours, \$562910DCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|---------|--------------------|-------|----------------------------------|-------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Svrs Steelworkers | Linear | 256.13 | Hours |
| Factors | 288 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH, WS | KE10H | Indust/Site Svrs Steelworkers | Linear | 908.91 | Hours |
| Factors | 1022 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 156.52 | Hours |
| Factors | 176 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water System Operations | Linear | 32.02 | Hours |
| Factors | 36 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 486.47 | Hours |
| Factors | 547 | Hours | | | | | | |
| | | | | | | 0.88934 | ISYS 0614001 | .88934200 - Svstem |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

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|---------|----------------------|----------|-------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,616.44 | Hours |
| Factors | 2942 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors | 100 | ot hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 39,718.01 | Dollars |
| Factors | 44000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 11,180.46 | Dollars |
| Factors | 12291 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz24 - WASTE PACKING Be Shop

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Waste Packaging in B444. Experience Item Desc - Waste Packaging Breakdown of Cost Data: Item - Waste Packing Units - Lot Unit Cost -5,663 hours, \$118,057 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|---------|----------------------|----------|----------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | KE10H | Indust/Site Srvs Steelworkers | Linear | 179.65 | Hours |
| Factors | 202 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KE10H | Indust/Site Srvs Steelworkers | Linear | 635.88 | Hours |
| Factors | 715 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 151.19 | Hours |
| Factors | 170 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water Svstem Operations | Linear | 109.39 | Hours |
| Factors | 123 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C222S | Water Svstem Operations | Linear | 22.23 | Hours |
| Factors | 25 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 778.17 | Hours |
| Factors | 875 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 2,275.83 | Hours |
| Factors | 2559 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | ot hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 23,289.20 | Dollars |
| Factors | 25800 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-----------------------|-------------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 7.825.68 | Dollars |
| Factors | 8603 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz25 - Closeout Documentation

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closeout documentation. Experience Item Desc - closeout documentation Breakdown of Cost Data: Item - closeout document Units - Lot Unit Cost -28 hours, Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|-----------------------|------------|-------------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 24.90 | Hours |
| | Factors | 28 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz26 - Perform Surveys/Decon as reqd to Release Basemnt

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -1125 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|-----------|--------------------|--------------------|--|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 920.47 | Hours |
| | Factors 1035 Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | | |
|---------|-----|--------------------|------|-------------------------------|-------|-------------------------------|--------|-------|-------|
| | 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 80.04 | Hours |
| Factors | 90 | Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|----------|---------|-------|-----------------------|-------------------------|--------|--------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz27 - Document and Depost areas as completed

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish documentation and deposting of areas. Experience Item Desc - documentation and deposting of areas Breakdown of Cost Data: Item - documentation and deposting of areas Units - Lot Unit Cost -250 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | |
|-----------|--------------|-------|------------|-------|----------|-------|
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|-------------------|-------|-------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C222S | Water Svstem Operations | Linear | 222.34 | Hours |
| Factors | 250 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz28 - Perform Surveys/Decon as reqd to Release NDT

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -425 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 344.18 | Hours |
| | Factors | 387 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|-------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 33.79 | Hours |
| Factors | 38 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|----------|---------|-----------------------------|-------|-------------------------|--------|--------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz29 - Perform Surveys/Decon as reqd to Release B447

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -713 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 610.09 | Hours |
| | Factors | 686 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|-------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|----------|---------|-----------------------------|-------|-------------------------|--------|--------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz3 - APPLICATION CONTAM CTL Be Shop

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Line Manager, 18 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish the application of fixative. Experience Item Desc - Previous fixative application in building Breakdown of Cost Data: Item - Fixative application Units - lot Unit Cost - 72 hours, \$2482 of subcontracted Indutrial Hygenist support \$14482 ODC | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|---------|---|-------------------------------|------------|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 16.01 | Hours |
| Factors | 18 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 48.02 | Hours |
| Factors | 54 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | C222S | Water System Operations | Linear | 10.832.19 | Dollars |
| Factors | 12000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | | P090 | INDUSTRIAL HYGIENISTS | C222S | Water System Operations | Linear | 2.257.74 | Dollars |
| Factors | 2482 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | | |

Line Item 444Haz30 - Perform Surveys/Decon as reqd to Release B448

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination.
Experience Item Desc - Decontamination
Breakdown of Cost Data:
Item - Decontamination
Units - Lot
Unit Cost -389 hours, \$1000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|---------|---|-------------------------------|------------|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 312.16 | Hours |
| Factors | 351 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 33.79 | Hours |
| Factors | 38 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | C222S | Water System Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | | |
| 0.88934 [SYS 061400] .88934200 - System | | | | | | | | | |

Line Item 444Haz31 - Perform Surveys/Decon as reqd to Release Rm 179

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination.
Experience Item Desc - Decontamination
Breakdown of Cost Data:
Item - Decontamination
Units - Lot
Unit Cost -972 hours, \$1000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--|-------|--|------------|--|-------|----------|-------|
|--------------|--|-------|--|------------|--|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 720.37 | Hours |
| Factors | 810 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 144.07 | Hours |
| Factors | 162 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 902.68 | Dollars |
| Factors | 1000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz32 - Perf Surv/Decon as reqd to Release B453

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -425 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|---------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 344.18 | Hours |
| Factors | 387 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 33.79 | Hours | |
| Factors | 38 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 902.68 | Dollars | |
| Factors | 1000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz33 - Perform Surveys/Decon as reqd to Release Rm 138

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. Experience Item Desc - Decontamination Breakdown of Cost Data: Item - Decontamination Units - Lot Unit Cost -423 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| | | | | | | | | | | | |
|-----------|--------------|--------------------|---------|-----------------------------|-------------------------------|------------|-------------------------------|--------|----------|--------------|--------------------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 312.16 | Hours | |
| | Factors | 351 | Hours | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 64.03 | Hours | |
| | Factors | 72 | Hours | | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| | A5C | SUPPLIES | | 0000 | NONE | C222S | Water System Operations | Linear | 902.68 | Dollars | |
| | Factors | 1000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | | | |
| | | | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz34 - Perform Surveys/Decon as reqd to Release Misc.

| | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish decontamination. | | | | | | | | | |
| | Experience Item Desc - Decontamination | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Decontamination | | | | | | | | | |
| | Units - Lot | | | | | | | | | |
| | Unit Cost -713 hours, \$1000 ODCs | | | | | | | | | |
| | Unit Cost Adjustment factor - | | | | | | | | | |
| | Revised Unit Cost - | | | | | | | | | |
| | Basis for adjustment - | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|----------------------|--------------------|---|------------------------------|---|-------------------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 24.01 | Hours |
| Factors 27 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 610.09 | Hours |
| Factors 686 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 902.68 | Dollars |
| Factors 1000 Dollars | | 1.015 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - System | | | | |

Line Item 444Haz35 - Prepare Closeout Documentation

| | | | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closeout documentation. | | | | | | | | | |
| | Experience Item Desc - closeout documentation | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - closeout document | | | | | | | | | |
| | Units - Lot | | | | | | | | | |
| | Unit Cost -18 hours, | | | | | | | | | |
| | Unit Cost Adjustment factor - | | | | | | | | | |
| | Revised Unit Cost - | | | | | | | | | |
| | Basis for adjustment - | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|-------------------|------------|-------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C222S | Water System Operations | Linear | 16.01 | Hours |
| Factors 18 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz4 - APPLICATION CONTAM CTL Fixative Rm 601

| | | | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Line Manager. 18 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish the application of fixative. | | | | | | | | | |
| | Experience Item Desc - Previous fixative application in building | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Fixative application | | | | | | | | | |
| | Units - lot | | | | | | | | | |
| | Unit Cost - 243 hours, \$10,482 ODC | | | | | | | | | |
| | Unit Cost Adjustment factor - | | | | | | | | | |
| | Revised Unit Cost - | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | |

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 24.01 | Hours |
| Factors 27 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 192.10 | Hours |
| Factors | 216 | Hours | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 7.221.46 | Dollars |
| Factors | 8000 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C222S | Water Svstem Operations | Linear | 2.257.74 | Dollars |
| Factors | 2482 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz45 - Arrange Shipment of BeAST source to Vendor

| | | | | | | | | |
|-----------|--|---------|-----------------------|-----------------------|-----------------|---------|--------------|--------------------|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to arrange for shipment of BeAST sources. Experience Item Desc - Breakdown of Cost Data: Item - Beast Source Units - Lot Unit Cost \$579 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safetv | Linear | 526.68 | Dollars |
| Factors | 579 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz46 - Verify and Review Procedure for Source Removal

| | | | | | | | | |
|-----------|---|-------|-------------------|-------|-----------------|---------|--------------|--------------------|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to verify/review procedures. Experience Item Desc - procedure review Breakdown of Cost Data: Item - procedure review Units - Lot Unit Cost -9 hours, Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safetv | Linear | 8.00 | Hours |
| Factors | 9 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz47 - Package BeAST Source for shipment

| | | | | | | | | |
|-----------|---|-------|------------|-------|----------|-------|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to package BeAST sources for shipment. Experience Item Desc - Radiological packaging Breakdown of Cost Data: Item - Source Packaging Units - Lot Unit Cost -27 hours, \$579 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
| Resources | Cost Element | Skill | Department | Curve | Quantity | Units | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|------------------------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KD10H | 776 Complex Steelworkers | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 8.00 | Hours |
| Factors | 9 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safetv | Linear | 526.68 | Dollars |
| Factors | 579 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz48 - Activity Hazards Analysis

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to analyze the hazards of this activity. Experience Item Desc - Hazards Analysis Breakdown of Cost Data: Item - Hazards Analysis Units - Lot Unit Cost -12 hours, \$285 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---|------------------------------|-----------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |
| Factors | 8 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safetv | Linear | 3.56 | Hours | |
| Factors | 4 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safetv | Linear | 259.25 | Dollars | |
| Factors | 285 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz49 - Ship BeAST Source to Vendor

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to ship BeAST sources. Experience Item Desc - Radiological Shipping Breakdown of Cost Data: Item - Shippin Beast Sources Units - Lot Unit Cost -27 hours, \$1000 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|------------------------------|------------|-------------------------------|---------|--------------------------------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KF10H | Matl Steward Steel Workers | Linear | 16.01 | Hours |
| | Factors | 18 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400].88934200 - Svstem | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 8.00 | Hours |
| | Factors | 9 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400].88934200 - Svstem | |

Line Item 444Haz5 - DU REMOVAL RM202

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 202. Experience Item Desc - Processing DU | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Breakdown of Cost Data:
Item - DU Processing
Units - Lot
Unit Cost -3015 hours \$72027 ODC
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------|----------------------|---|-------------------------------|------------|-------------------------------|--------|-----------|---------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 355.74 | Hours |
| Factors 400 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 627.88 | Hours |
| Factors 706 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,608.82 | Hours |
| Factors 1809 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 88.93 | Hours |
| Factors 100 hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 86.657.48 | Dollars |
| Factors 96000 Dollars | | 1.015 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz50 - Develop RWP

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to develop a RWP.

Experience Item Desc - RWP development

Breakdown of Cost Data:

Item - RWP
Units - Lot
Unit Cost 16 hours
Unit Cost Adjustment factor -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------|--------------------|---|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors 4 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors 4 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safetv | Linear | 3.56 | Hours |
| Factors 4 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 3.56 | Hours |
| Factors 4 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz51 - Prepare Closeout Documentation

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare closeout documentation.

Experience Item Desc - document preparation

Breakdown of Cost Data:

Item - closeout documents
Units - Lot

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Unit Cost -, \$2000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|-----------------------|-----------------------|-----------------|----------|---------------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 909.65Dollars |
| Factors | 1000 | Dollars | 1.02283 | -- FY00 Escalation -- | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz52 - Prepare IWCP for Draining of Proc. Equip.

BOE
Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP.
Experience Item Desc - IWCP preparation
Breakdown of Cost Data:
Item - IWCP
Units - Lot
Unit Cost 87 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|---------------------------|------------|--------------------|----------|------------|
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 35.57Hours |
| Factors | 40 | Hours | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 41.80Hours |
| Factors | 47 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz53 - Activity Hazards Analysis

BOE
Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to analyze hazards of Equipment draining.
Experience Item Desc - Hazards analysis
Breakdown of Cost Data:
Item - Hazards Analysis
Units - Lot
Unit Cost 12 hours \$200 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|------------------------------|-----------------------|--------------------|----------|---------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11Hours |
| Factors | 8 | Hours | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56Hours |
| Factors | 4 | Hours | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 181.93Dollars |
| Factors | 200 | Dollars | 1.02283 | -- FY00 Escalation -- | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz54 - Prepare RWP

BOE
Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare RWP.
Experience Item Desc - RWP preparation

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Breakdown of Cost Data:
Item - RWP
Units - Lot
Unit Cost 16 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|---------|--------------------|-------|------------------------------|-------|-------------------------------|----------------------|-----------|----------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |

Line Item 444Haz55 - Sample and Analyze Machine Oil

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to sample and anlayze oil from process equipment.

Experience Item Desc - Sampling and Analysis

Breakdown of Cost Data:
Item - Samples and Analysis
Units - Lot
Unit Cost 160 hours, \$135,000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|---------|--------------------|---------|-------------------------------|-------|--------------------------------|----------------------|------------|----------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 71.15 | Hours |
| Factors | 80 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 35.57 | Hours |
| Factors | 40 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 35.57 | Hours |
| Factors | 40 | Hours | | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | K267S | Analytical Laboratory Services | Linear | 122.802.20 | Dollars |
| Factors | 135000 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| | | | | | | 0.88934 [SYS 061400] | .88934200 | - Svstem |

Line Item 444Haz56 - Drain Process Equipment

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to drain oil from process equipment.

Experience Item Desc - Equipmnet draining

Breakdown of Cost Data:
Item - Equipment Draining
Units - Lot
Unit Cost 4494 hours \$8208 ODCs
Unit Cost Adjustment factor -

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|----------------------|----------------------|---|----------------------------------|------------|--|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | L060 | MISSION SUP SPEC II (FLTTCCH. WS | KC20H | Building Trades Proj C Estimating Only | Linear | 438.45 | Hours |
| Factors 493 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svcs Steelworkers | Linear | 1,389.15 | Hours |
| Factors 1562 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svcs Steelworkers | Linear | 534.49 | Hours |
| Factors 601 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 177.87 | Hours |
| Factors 200 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 1,161.48 | Hours |
| Factors 1306 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svcs Steelworkers | Linear | 177.87 | Hours |
| Factors 200 hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 7,466.37 | Dollars |
| Factors 8208 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz57 - Dispose of Oil from Process Equipment

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to ship oil from process equipment.
Experience Item Desc - Equipment draining
Breakdown of Cost Data:
Item - Equipment Draining
Units - Lot
Unit Cost 306 hours
Unit Cost Adjustment factor - .88934
Revised Unit Cost -
Basis for adjustment - system project cuts

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-------------------|--------------------|---|------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Matl Steward Steel Workers | Linear | 136.07 | Hours |
| Factors 153 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 104.05 | Hours |
| Factors 117 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 32.02 | Hours |
| Factors 36 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

Line Item 444Haz58 - Closeout Doc. & Update Idle Equip List

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to update equipment list
Experience Item Desc - Document preparation
Breakdown of Cost Data:
Item - Idle Equipment list Updating

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Units - Lot
Unit Cost 40 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|-----------------------|------------|-------------------|----------|-------------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 35.57 Hours |
| Factors | 40 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz59 - Verify Analytical Data

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to verify analytical data.
Experience Item Desc - data verification
Breakdown of Cost Data:
Item - Verfiy Analytical Sample Data
Units - Lot
Unit Cost 18 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|-----------------------|------------|-------------------|----------|-------------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 16.01 Hours |
| Factors | 18 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz6 - DU REMOVAL B444 RM 204

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 204.
Experience Item Desc - Processing DU
Breakdown of Cost Data:
Item - DU Processing
Units - Lot
Unit Cost -1196 hours \$30,376 ODC
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|------------------------------|------------|-------------------------|----------|--------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 106.72 Hours |
| Factors | 120 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|-------------------------------|--------|--------------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 312.16 Hours |
| Factors | 351 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | |
|---------|--------------------|-------|-------------------------------|-------|-------------------------------|--------|--------------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 600.31 Hours |
| Factors | 675 | Hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | |
|---------|----------------------|-------|-------------------------------|-------|-------------------------------|--------|-------------|
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svcs Steelworkers | Linear | 44.47 Hours |
| Factors | 50 | hours | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | |
|---------|----------|---------|-----------------------------|-------|-------------------------|--------|-------------------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 33.579.77 Dollars |
| Factors | 37200 | Dollars | 1.015 -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz60 - Determine Quantities/Disposition of Dep. Uranium

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to determine the quantities and disposition of depleted Uranium in B444.
Experience Item Desc - Du processing
Breakdown of Cost Data:
Item - Disposition of Uranium
Units - Lot
Unit Cost 200 hours \$7000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|----------------------|--------------------|---|--------------------------|------------|---------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 177.87 | Hours |
| Factors 200 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 6.367.52 | Dollars |
| Factors 7000 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz61 - Prepare IWCP for DU Removal

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP package.
Experience Item Desc - IWCP preparation
Breakdown of Cost Data:
Item - IWCP
Units - Lot
Unit Cost 172 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|---------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 71.15 | Hours |
| Factors 80 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 81.82 | Hours |
| Factors 92 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz62 - Activity Hazards Analysis

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to analyze hazards for Du preprocessing.
Experience Item Desc - Hazards Analysis
Breakdown of Cost Data:
Item - Hazards Analysis
Units - Lot
Unit Cost 18 hours \$500 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 14.23 | Hours |
| Factors 16 Hours | | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-----------------------|-----------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 10.67 | Hours |
| Factors | 12 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 454.82 | Dollars |
| Factors | 500 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz63 - Develop RWP

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to develop a RWP. Experience Item Desc - RWP development Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost 24 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|------------------------------|------------------------------|--|--------------------|---------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |
| Factors | 8 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours | |
| Factors | 8 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KC20H | Building Trades Proj C Estimating Only | Linear | 7.11 | Hours | |
| Factors | 8 | Hours | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444Haz64 - Prepare Du Processing Area

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare a processing area for Du Removal. Experience Item Desc - Processing area preparation Breakdown of Cost Data: Item - Processing Area Preparation Units - Lot Unit Cost 490 hours \$21,024 ODCs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | | | | |
|---|---|--------------------|-------|-------|------------------------------|------------|--------------------|--|----------|-----------|---------|-------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | | |
| | 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KC20H | Building Trades Proj C Estimating Only | | Linear | 320.16 | Hours |
| | Factors | 360 | Hours | | | | | | | | | |
| | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | | | |
| | 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C104S | Closure Management | | Linear | 35.57 | Hours |
| | Factors | 40 | Hours | | | | | | | | | |
| | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | | | |
| | 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLOGI | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 80.04 | Hours |
| | Factors | 90 | Hours | | | | | | | | | |
| | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | | C104S | Closure Management | | Linear | 17.150.96 | Dollars | |
| Factors | 19000 | Dollars | | 1.015 | -- FY00 Escalation -- | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-----------------------|-----------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safetv | Linear | 1.841.12 | Dollars |
| Factors | 2024 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz65 - PROJECT CONTROL ACTIVITIES HAZ RED C444

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for project controls B444. Experience Item Desc - Project Controls Breakdown of Cost Data: Item - Project Controls Units - Lot Unit Cost \$89,100 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------------------------------|-----------------------------|------------|----------------------------|--------|-----------|---------|
| | A5H | SUBCONTRACTED SRVS | P070 | COST ESTIMATORS PLANNERS AN | C106S | Business Management Office | Linear | 81.049.43 | Dollars |
| | Factors | 89100 Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz66 - BUDGET & ADMIN ACT, PM & PLAN, HAZ RED C444

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Budget Administration. Experience Item Desc - Budget Administrator Breakdown of Cost Data: Item - Budget Administrator Units - Lot Unit Cost \$76,840 ODcs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|-----------|--------------|--------------------|---------|-------------------------------|-----------------------------|------------|----------------------------|-------|----------|-----------|---------|
| | A5H | SUBCONTRACTED SRVS | | P070 | COST ESTIMATORS PLANNERS AN | C106S | Business Management Office | | Linear | 69.897.17 | Dollars |
| | Factors | 76840 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-----------------------------|-----------------------|-------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | P070 | COST ESTIMATORS PLANNERS AN | K100S | Kaiser-Hill | Linear | 18.192.91 | Dollars |
| Factors | 20000 | dollars | 1.02283 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz67 - Hot/Cold Laundry Support

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for laundry support. Experience Item Desc - Laundry Support Breakdown of Cost Data: Item - Laundry Support Units - Lot Unit Cost \$200,000 Odcs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|-----------|--------------|-----------------|--|-------------------------------|------|------------|-----------------|--------|------------|---------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
| | A5F | CSS.FIXED PRICE | | 0000 | NONE | K260S | Site Operations | Linear | 181.929.10 | Dollars |
| | Factors | 200000 dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444haz68 - Janitorial Support

| | | | | | | |
|-----|--|--|--|--|--|--|
| BOE | Vendor Name - TP Enterprise Vendor Quote - \$11,900 from 3/1/99 to 9/30/99 Quote Received by - Curt Stewart Item being quoted -Janitorial Support Other Info - This quote is from FY99 and will be translated for FY00, Since activity will be higher in the building the amount of support is doubled. Availability - Janitors are non- skilled labor This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | |
|-----|--|--|--|--|--|--|

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|-----------------|-------------------------------|------|------------|------------------|--------|---|---------|
| A5F | CSS FIXED PRICE | 0000 | NONE | C235S | Laundry Services | Linear | 34.566.54 | Dollars |
| Factors | 38000 dollars | 1.02283 -- FY00 Escalation -- | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz69 - MANAGEMENT ACTIVITIES HAZ RED C444

| | | | | | | |
|-----|---|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for Project Management for B444 project. Experience Item Desc - Project Management Breakdown of Cost Data: Item - Project Management Units - Lot Unit Cost 1540 hours \$794,000 Odcs Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | |
|-----|---|--|--|--|--|--|

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|-----------------------|-------------------------------|------------------------------|------------|--------------------------|--------|---|---------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | K100S | Kaiser-Hill | Linear | 480.24 | Hours |
| Factors | 540 hours | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| 750 | STRAIGHT TIME BASE | P170 | OTHER ADMINISTRATIVE & PROFE | C105S | Work Control Center | Linear | 889.34 | Hours |
| Factors | 1000 hrs | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 406.206.90 | Dollars |
| Factors | 450000 Dollars | 1.015 -- FY00 Escalation -- | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C104S | Closure Management | Linear | 130.262.20 | Dollars |
| Factors | 143201 Dollars | 1.02283 -- FY00 Escalation -- | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | M020 | MANAGERS (GRADE 69 - 72) | K100S | Kaiser-Hill | Linear | 72.771.66 | Dollars |
| Factors | 80000 dollars | 1.02283 -- FY00 Escalation -- | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 90.964.57 | Dollars |
| Factors | 100000 Dollars | 1.02283 -- FY00 Escalation -- | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |
| A5H | SUBCONTRACTED SRVS | S020 | ENVIRONMENTAL SCIENTISTS | C103S | Environmental Compliance | Linear | 19.080.27 | Dollars |
| Factors | 20975.5 Prime Dollars | 1.02283 -- FY00 Escalation -- | | | | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 444Haz7 - DU REMOVAL B447 RM 403

| | | | | | | |
|-----|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 403. Experience Item Desc - Processing DU Breakdown of Cost Data: Item - DU Processing Units - Lot Unit Cost -772 hours \$20499 ODC | | | | | |
|-----|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|----------------------|---------|-------------------------------|-----------------------|-------------------------------|--------|-----------|---------------------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 80.04 | Hours |
| Factors | 90 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 384.20 | Hours |
| Factors | 432 | Hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 44.47 | Hours |
| Factors | 50 | hours | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 17.602.30 | Dollars |
| Factors | 19500 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |

Line Item 444Haz70 - FIELD MANAGEMENT HAZ RED C444

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for Field Management.
Experience Item Desc - Field Management
Breakdown of Cost Data:
Item - Filed Manager
Units - Lot
Unit Cost \$136116 ODCa
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-----------------|-----------------------|---------------------|--------|------------|---------------------------------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 123.817.30 | Dollars |
| Factors | 136116 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - System |

Line Item 444Haz71 - Prepare Revision to PEP for D&D

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Project Execution Plan.
Experience Item Desc - PEP
Breakdown of Cost Data:
Item - PEP
Units - Lot
Unit Cost \$2500 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-----------------|-----------------------|---------------------|--------|----------|---------------------------------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 2.274.11 | Dollars |
| Factors | 2500 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - System |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz72 - Prepare QA Plan

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare QA plan.
Experience Item Desc -QA plan Preparation
Breakdown of Cost Data:
Item - QA Plan
Units - Lot
Unit Cost \$1500 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.364.47 | Dollars |
| Factors | 1500 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz73 - Prepare Health and Safety Plan

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Health and Safety Plan.
Experience Item Desc - HSP preparation
Breakdown of Cost Data:
Item - HSP
Units - Lot
Unit Cost \$1000 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 909.65 | Dollars |
| Factors | 1000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz74 - Develop D&D Schedule and Cost Estimate

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Develop D&D cost estimate and schedule.
Experience Item Desc - Schedule and Cost Estimating
Breakdown of Cost Data:
Item - Schedule and Cost Estimate
Units - Lot
Unit Cost \$5000 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 4.548.23 | Dollars |
| Factors | 5000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz75 - Prepare Waste Management Plan

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Waste Management Plan.
Experience Item Desc - Waste management plan preparation
Breakdown of Cost Data:
Item - Planm
Units - Lot

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | |
|--|--|--|--|--|--|--|
| Unit Cost \$2000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|--|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|-----------------|-----------------------|---------------------|----------|---|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.819.29 |
| Factors | 2000 | Dollars | 1.02283 | -- FY00 Escalation -- | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem |

Line Item 444Haz76 - D&D Training and Qualification Plan

| | | | | | | | |
|-----|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Training and Qualification plan Experience Item Desc - Trainging and qualification plan preparation Breakdown of Cost Data: Item - Training and Qualification plan Units - Lot Unit Cost \$1000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|--|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|-----------------|-----------------------|---------------------|----------|---|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 909.65 |
| Factors | 1000 | Dollars | 1.02283 | -- FY00 Escalation -- | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem |

Line Item 444Haz77 - Prepare Economic Disposition Plan

| | | | | | | | |
|-----|---|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Economic Disposition plan. Experience Item Desc - Economic Disposition Plan development Breakdown of Cost Data: Item - Economic Disposition Plan Units - Lot Unit Cost \$780 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|---|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|--------------|-----------------|-----------------------|---------------------|----------|---|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 709.52 |
| Factors | 780 | Dollars | 1.02283 | -- FY00 Escalation -- | | | |
| | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem |

Line Item 444Haz78 - Develop WBS Dictionary

| | | | | | | | |
|-----|---|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for WBS development Experience Item Desc - WBS development Breakdown of Cost Data: Item - WBS Units - Lot Unit Cost \$12300 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|-----|---|--|--|--|--|--|--|

| Resources | | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--|--------------|-------|------------|-------|----------|-------|
|-----------|--|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------------|-------|---------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 11.188.64 | Dollars |
| Factors | 12300 Dollars | 1.02283 | -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz79 - Develop Schedule and Cost Estimate

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Develop schedule and cost estimate for Haz redcuton. Experience Item Desc - Schedule and cost estimat Breakdown of Cost Data: Item - Schedule and cost estimate Units - Lot Unit Cost \$5080 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|-----------|--------------|--------------------|---------|-------------------------------|-----------------|------------|---------------------|--------|----------|---------|
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
| | A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 4.621.00 | Dollars |
| | Factors | 5080 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz8 - DU REMOVAL B444 RM 33A,32, 502

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish Processing and removal of Du in RM 33a, 32, and 502. Experience Item Desc - Processing DU Breakdown of Cost Data: Item - DU Processing Units - Lot Unit Cost -652 hours \$10500 ODC Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|----------------------|------------|-------------------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 328.17 | Hours |
| | Factors | 369 Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|------|------------------------------|-------|--------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 106.72 | Hours |
| Factors | 120 Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|------|------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 109.39 | Hours |
| Factors | 123 Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|----------------------|------|----------------------|-------|-------------------------------|--------|-------|-------|
| 751 | OVERTIME BASE & PRE. | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 35.57 | Hours |
| Factors | 40 hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|---------------|-------|-----------------------|-------|--------------------|--------|----------|---------|
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Manaaement | Linear | 9.478.16 | Dollars |
| Factors | 10500 Dollars | 1.015 | -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz80 - Revise and Issue PEP REV 1 for Hazards Reduction

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Project Execution Plan revision. Experience Item Desc - PEP Breakdown of Cost Data: Item - PEP Units - Lot Unit Cost \$26500 ODCS | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------------------------------|-----------------|------------|---------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 24.105.61 | Dollars |
| Factors | 26500 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Haz81 - Revise and Issue PEP REV 2 for Hazards Reduction

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Prepare Project Execution Plan revision.
Experience Item Desc - PEP
Breakdown of Cost Data:
Item - PEP
Units - Lot
Unit Cost \$20185 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------------------------------|-----------------|------------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 9.087.36 | Dollars |
| Factors | 9990 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-----------------|-------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.678.30 | Dollars |
| Factors | 1845 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-----------------|-------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 1.228.02 | Dollars |
| Factors | 1350 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-----------------|-------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 2.274.11 | Dollars |
| Factors | 2500 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-----------------|-------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 4.093.41 | Dollars |
| Factors | 4500 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz82 - Evaluate Options for Equipment Disposition

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to evaluate equipment disposal options.
Experience Item Desc - PEP
Breakdown of Cost Data:
Item - PEP
Units - Lot
Unit Cost \$20000 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------------------------------|-----------------|------------|---------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 18.192.91 | Dollars |
| Factors | 20000 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444Haz83 - Develop Decision Doc. for Equipment Disposition

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to develop equipment disposal options. Experience Item Desc -Document Breakdown of Cost Data: Item - document Units - Lot Unit Cost \$20000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|--|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 18.192.91 | Dollars |
| Factors | 20000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | 0.88934 [SYS 061400] .88934200 - Svsstem | |

Line Item 444Haz84 - Review/Revise Authorization Basis

| | |
|-----|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to revise Authorization Basis. Experience Item Desc - AB revision Breakdown of Cost Data: Item - AB revision Units - Lot Unit Cost \$20000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|--|

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|--|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 18.192.91 | Dollars |
| Factors | 20000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | 0.88934 [SYS 061400] .88934200 - Svsstem | |

Line Item 444Haz85 - Eval D&D Staff & Office Space Req.

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to evaluate staffing and office requirements. Experience Item Desc - PEP Breakdown of Cost Data: Item - PEP Units - Lot Unit Cost \$10000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------|-------------------------------|------------|---------------------|--------|--|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 9.096.46 | Dollars |
| Factors | 10000 | Dollars | | 1.02283 -- FY00 Escalation -- | | | | 0.88934 [SYS 061400] .88934200 - Svsstem | |

Line Item 444Haz86 - Perform Equipment Accountability

| | |
|-----|---|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to perform equipment accountability. Experience Item Desc - Equipment Accountabiility Breakdown of Cost Data: Item -Equipment accountability Units - Lot |
|-----|---|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | |
|---|--|--|--|--|--|--|
| Unit Cost \$81000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|---|--|--|--|--|--|--|

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------|------------|---------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 73.681.30 | Dollars |

Factors 81000 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz87 - IWCP Planning

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP.
Experience Item Desc - Du processing
Breakdown of Cost Data:
Item - IWCP prepaaration
Units - Lot
Unit Cost 101 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|---------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 41.80 | Hours |

Factors 47 Hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-----|--------------------|------|--------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 48.02 | Hours |
|-----|--------------------|------|--------------------------|-------|--------------------|--------|-------|-------|

Factors 54 Hours

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz88 - SES/ORC Reviews

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for SES orc Reviews.
Experience Item Desc - SES ORC Reviews
Breakdown of Cost Data:
Item - SES/ORC Review
Units - Lot
Unit Cost 20 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 10.67 | Hours |

Factors 12 Hours

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Haz89 - RWP Prep/Alara Review/JHA Dvmnt

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required RWP preparation.
Experience Item Desc - RWP prepartion
Breakdown of Cost Data:
Item - RWP
Units - Lot

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost 24 hours ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------|--------------------|--------------------|------------------------------|------------------------------|-------------------------------|--------------------|---------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |
| Factors 8 Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours | |
| Factors 8 Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 7.11 | Hours | |
| Factors 8 Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

Line Item 444Haz9 - Prepare DU Removal Closeout Documentation

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closout documentation.
Experience Item Desc - Processing DU
Breakdown of Cost Data:
Item - DU Processing
Units - Lot
Unit Cost -18 hours
Unit Cost Adjustment factor -
Revised Unit Cost -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------|--------------------|-------|------------------------------|------------|-------------------------|---------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 16.01 | Hours |
| Factors 18 Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

Line Item 444Haz90 - Sample Request

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to request samples
Experience Item Desc - Sample requests
Breakdown of Cost Data:
Item - Sample request
Units - Lot
Unit Cost 8 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------|--------------|--------------------|-------|------------------------------|------------|--------------------|---------|--------------|--------------------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |
| Factors 8 Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - System |

Line Item 444Haz91 - Perform Sampling

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to sample DU chips.
Experience Item Desc - Du processing
Breakdown of Cost Data:
Item - Du sampling
Units - Lot
Unit Cost 45 hours

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

| | | | | | | |
|---|--|--|--|--|--|--|
| Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | |
|---|--|--|--|--|--|--|

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|------------------------------|------------|--|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KC20H | Building Trades Proj C Estimating Only | Linear | 24.01 | Hours |
| Factors 27 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.00 | Hours |
| Factors 9 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 8.00 | Hours |
| Factors 9 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz92 - Receive Sample Results

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Analyze DU samples Experience Item Desc - Du processing Breakdown of Cost Data: Item - Du Sampling Units - Lot Unit Cost \$15000 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|---------|-------------------------------|------|------------|--------------------------------|--------|-----------|---|
| A5H | SUBCONTRACTED SRVS | | 0000 | NONE | K267S | Analytical Laboratory Services | Linear | 13.644.69 | Dollars |
| Factors | 15000 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| | | | | | | | | | 0.88934 [SYS 061400] .88934200 - Svstem |

Line Item 444Haz93 - IWCP Planning for Packaging

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare IWCP. Experience Item Desc - IWCP preparation Breakdown of Cost Data: IWCPDu chip processing Units - Lot Unit Cost 97 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------------|---|---------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 35.57 | Hours |
| Factors 40 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 41.80 | Hours |
| Factors 47 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 444Haz94 - SES/ORC Reviews for Packaging

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for SES orc Reviews. Experience Item Desc - SES ORC Reviews Breakdown of Cost Data: Item - SES/ORC Review | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Units - Lot
Unit Cost 24 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - System

| | | | | | | | | |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - System

| | | | | | | | | |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 7.11 | Hours |
|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|------|-------|

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz95 - RWP Prep/Alara Review/JHA Dvmnt for Pking

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for RWP preparation.

Experience Item Desc -RWP preparation

Breakdown of Cost Data:

Item - RWP

Units - Lot

Unit Cost 12 hours 600 ODCS

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 7.11 | Hours |

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - System

| | | | | | | | | |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
|-----|--------------------|------|-------------------|-------|-----------------|--------|------|-------|

Factors 4 Hours

0.88934 [SYS 061400] .88934200 - System

| | | | | | | | | |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 545.79 | Dollars |
|-----|--------------------|------|-----------------------|-------|-----------------|--------|--------|---------|

Factors 600 Dollars

1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

Line Item 444Haz96 - Activity Hazards Analysis

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required forActivity Hazards Analysis.

Experience Item Desc -Hazards Analysis

Breakdown of Cost Data:

Item - Hazards Analysis

Units - Lot

Unit Cost 20 hours \$250 ODCS

Unit Cost Adjustment factor -

Revised Unit Cost -

Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |

Factors 10 Hours

0.88934 [SYS 061400] .88934200 - System

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|------------------------------|-----------------------|--------------------|---------|--------------|---------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |
| Factors | 10 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 227.41 | Dollars |
| Factors | 250 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem |

Line Item 444Haz97 - Prepare RWP

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for RWP preparation. Experience Item Desc -RWP preparation Breakdown of Cost Data: Item - RWP Units - Lot Unit Cost 16 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

| | | | | | | | | | | | | |
|-----------|-----|--------------------|-------|------------------------------|-------|-------------------------------|---------|--------------|---------------------|----------|--|-------|
| Resources | | Cost Element | | Skill | | Department | | Curve | | Quantity | | Units |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | | | 3.56 | | Hours |
| Factors | | 4 | Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | | | 3.56 | | Hours |
| Factors | | 4 | Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem | | | |
| | 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | | | 3.56 | | Hours |
| Factors | | 4 | Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem | | | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | | | 3.56 | | Hours |
| Factors | | 4 | Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem | | | |

Line Item 444Haz98 - Prepare Engineering/ IWCP for Deenergization

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for IWCP preparation Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - IWCP Units - Lot Unit Cost 149 hours \$14436 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | | | | |
|-----------|-----|--------------------|-------|---------------------------|-------|---------------------|---------|--------------|---------------------|----------|--|-------|
| Resources | | Cost Element | | Skill | | Department | | Curve | | Quantity | | Units |
| | 750 | STRAIGHT TIME BASE | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | | | 16.01 | | Hours |
| Factors | | 18 | Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem | | | |
| | 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | | | 48.02 | | Hours |
| Factors | | 54 | Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem | | | |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | | | 24.01 | | Hours |
| Factors | | 27 | Hours | | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] | .88934200 - Ssystem | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---|--------------------|---------|-------------------------------|-------|---------------------|--------|----------|---------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 28.46 | Hours |
| Factors | 32 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 3.610.73 | Dollars |
| Factors | 4000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 8.787.18 | Dollars |
| Factors | 9660 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 24.56 | Dollars |
| Factors | 27 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 681.32 | Dollars |
| Factors | 749 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444Haz99 - Verify/Review Procedure for Source Removal

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for procedure review.

Experience Item Desc -Procedure review

Breakdown of Cost Data:

Item -Procedure Review

Units - Hours

Unit Cost - 8

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-------------------|------------|-----------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 7.11 | Hours |

Factors 8 Hours

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Lhaz27 - Prepare Transfer/Shipping Documentation

| | | | | | | | | | | | | |
|---|---|--------------------|-------|--------------|-----------------------|--|-------------------|-------------------|--|--------------|-----------------|--------------|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish preparation of shipping documentation. | | | | | | | | | | | |
| | Experience Item Desc - Shipping Document Preparation | | | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | | | |
| | Item - Decontamination | | | | | | | | | | | |
| | Units - Lot | | | | | | | | | | | |
| | Unit Cost -18 hours, | | | | | | | | | | | |
| | Unit Cost Adjustment factor - | | | | | | | | | | | |
| | Revised Unit Cost - | | | | | | | | | | | |
| | Basis for adjustment - | | | | | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | | | |
| Resources | <i>Cost Element</i> | | | <i>Skill</i> | | | <i>Department</i> | | | <i>Curve</i> | <i>Quantity</i> | <i>Units</i> |
| | 750 | STRAIGHT TIME BASE | | P050 | COMPLIANCE INSPECTORS | | C102S | Quality Assurance | | Linear | 16.01 | Hours |
| | <i>Factors</i> | 18 | Hours | | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | | | | |

Line Item 444Lhaz36 - Identify Legacy Oil

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

based on the lowest level of support required to identify legacy oil in and around B444.
Experience Item Desc - Building Walkdowns
Breakdown of Cost Data:
Item - Oil Identification
Units - Lot
Unit Cost -27 hours,
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------|--------------------|-------|-----------------------|------------|-------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 24.01 | Hours |
| Factors 27 Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Lhaz38 - Evaluate Disposition of Oil

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish this task.
Experience Item Desc - Evaluation of chemical disposal
Breakdown of Cost Data:
Item - Oil disposal options
Units - Lot
Unit Cost -27 hours,
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|------------------|--------------|--------------------|-------|-----------------------|------------|-------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 24.01 | Hours |
| Factors 27 Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444Lhaz40 - Sample Drums

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to sample oil drums.
Experience Item Desc - Sampling
Breakdown of Cost Data:
Item - Drum samples
Units - Lot
Unit Cost -1085 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-------------------|--------------|--------------------|-------|----------------------|------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svcs Steelworkers | Linear | 484.69 | Hours |
| Factors 545 Hours | | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|-------------------|--------------------|------|------------------------------|-------|--------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 231.23 | Hours |
| Factors 260 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|------------------|--------------------|------|-----------------------|-------|-------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 17.79 | Hours |
| Factors 20 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|-------------------------------|--------|--------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 231.23 | Hours |
| Factors | 260 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Lhaz41 - Analyze Samples

BOE

Vendor Name - Analytical Services
Vendor Quote - \$1,000 per sample
Quote Received by -
Item being quoted -
Other Info -
Availability -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-----------------------|------------|-------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C222S | Water System Operations | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|----------------|-------------------------------|-------|-------------------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C222S | Water Svstem Operations | Linear | 909.65 | Dollars |
| Factors | 1000 | Dollars/sample | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444Lhaz42 - Prepare Drums for Transfer

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to prepare oild drums for transfer

.
Experience Item Desc - Shipping preparation
Breakdown of Cost Data:
Item - Shipping preparation
Units - Lot
Unit Cost -288 hours, \$10000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|-------|-------|----------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 128.07 | Hours |
| Factors | 144 | Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 64.03 | Hours |
| Factors | 72 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|-------------------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 64.03 | Hours |
| Factors | 72 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | |
|---------|----------|---------|-----------------------------|-------|--------------------|--------|----------|---------|
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 9.026.82 | Dollars |
| Factors | 10000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - System

Line Item 444Lhaz43 - Transfer Oil

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to transfer oil.

Experience Item Desc - chemical transportation
Breakdown of Cost Data:
Item - oil transfer
Units - Lot
Unit Cost -36 hours, \$5000 ODCs
Unit Cost Adjustment factor -
Revised Unit Cost -

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * Starts In FY *

Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|--------------------|--------------------|---|----------------------|-------------------------------|-------------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 16.01 | Hours |
| Factors | 18 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.00 | Hours | |
| Factors | 9 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 8.00 | Hours | |
| Factors | 9 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| A5H | SUBCONTRACTED SRVS | 0000 | NONE | C104S | Closure Management | Linear | 4.548.23 | Dollars | |
| Factors | 5000 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | |

Line Item 444Lhaz44 - Prepare Closeout Documentation

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to accomplish closeout documentation.
Experience Item Desc - closeout documenting
Breakdown of Cost Data:
Item - closeout document
Units - Lot
Unit Cost -27 hours,
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|------------------|--------------------|-------|-----------------------|------------|-------------------|---------|---------------------------------|-------|
| | 750 | STRAIGHT TIME BASE | P050 | COMPLIANCE INSPECTORS | C102S | Quality Assurance | Linear | 24.01 | Hours |
| | Factors 27 Hours | | | | | | | | |
| | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem | |

Line Item 444PEREM1 - Process Equipment Removal -Carbon shop

BOE Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the carbon shop.
Experience Item Desc - Building Decommissioning
Breakdown of Cost Data:
Item - Process Equipment Removal - Carbon Shop
Units - lot
Unit Cost - 4730 hours \$50,750 odcs
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A
This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|---|---|--------------------|-------|------------------------------|------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| | Factors | 720 | Hours | | | | | | |
| | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|---------|-------------------------------|------------------|-------------------------------|-----------------------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 45,134.11 | Dollars |
| Factors | 10000 | dollars | 5 | waste containers | 1.015 | -- FY00 Escalation -- | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444PErem10 - Process Equipment Removal -Basement

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for the basement.

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:

Item - Process Equipment Removal - Basement

Units - lot

Unit Cost - 10,970 hours \$200,000 odcs

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------|----------------------|---------|-------------------------------|------------------|-------------------------------|-----------------------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 213.44 | Hours |
| Factors | 240 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors | 1440 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 6,403.26 | Hours |
| Factors | 7200 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 578.07 | Hours |
| Factors | 650 | hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 180,536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | 1.015 | -- FY00 Escalation -- | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444PErem11 - Process Equipment Removal -Second Floor

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for the mezzanine.

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:

Item - Process Equipment Removal - Mezzanine

Units - lot

Unit Cost - 5510 hours \$200,000 odcs

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

Basis for adjustment - N/A

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------|----------------------|--|-------------------------------|-----------------------------|-------------------------------|--|------------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors 720 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 106.72 | Hours |
| Factors 120 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors 720 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours |
| Factors 3600 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 311.27 | Hours |
| Factors 350 hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 180,536.40 | Dollars |
| Factors 10000 dollars | | 20 waste containers | | 1.015 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Ssystem | | |

Line Item 444P**Item 12 - Process Equipment Removal -Be Shop**

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for the Be shop.

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:

Item - Process Equipment Removal - Be Shop

Units - lot

Unit Cost - 10870 hours \$300,000 odcs

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------|----------------------|--|-------------------------------|-----------------------------|-------------------------------|--|------------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors 1440 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 213.44 | Hours |
| Factors 240 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors 1440 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 6,403.26 | Hours |
| Factors 7200 Hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 489.14 | Hours |
| Factors 550 hours | | 0.88934 [SYS 061400] .88934200 - Ssystem | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 270,804.60 | Dollars |
| Factors 10000 dollars | | 30 waste containers | | 1.015 -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Ssystem | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Line Item 444PERem2 - Process Equipment Removal -Precision Shop

| | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the precision shop. | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Process Equipment Removal - Precision Shop | | | | | | | | | |
| | Units - lot | | | | | | | | | |
| | Unit Cost - 9,640 hours \$50,000 odcs | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| Basis for adjustment - N/A | | | | | | | | | | |
| This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | | |

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|-----------|----------------------|--------------------|------|---|----------------------|------------|-------------------------------|-------------------------------|---|-----------|----------|
| | 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 1,280.65 |
| Factors | 1440 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C222S | Water System Operations | | Linear | 177.87 | Hours |
| Factors | 200 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 6,403.26 | Hours |
| Factors | 7200 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 751 | OVERTIME BASE & PRE. | | T060 | D&D HAZ REDUC TECH / RISK RED | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 711.47 | Hours |
| Factors | 800 | HOURS | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | | C222S | Water System Operations | | Linear | 45,134.11 | Dollars |
| Factors | 10000 | dollars | 5 | waste containers | | 1.015 | -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - System | | |

Line Item 444PERem3 - Process Equipment Removal -Utility Areas

| | | | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the utility areas. | | | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | | | |
| | Breakdown of Cost Data: | | | | | | | | | |
| | Item - Process Equipment Removal - Utility Areas | | | | | | | | | |
| | Units - lot | | | | | | | | | |
| | Unit Cost - 4730 hours 50,000 odcs | | | | | | | | | |
| | Unit Cost Adjustment factor - N/A | | | | | | | | | |
| | Revised Unit Cost - N/A | | | | | | | | | |
| Basis for adjustment - N/A | | | | | | | | | | |
| This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | | | | |

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|---|----------------------|-------------------------------|-------------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 142.29 | Hours | |
| Factors | 160 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours | |
| Factors | 3600 | Hours | 0.88934 [SYS 061400] .88934200 - System | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---|----------------------|---------|-------------------------------|-------------------|-------------------------------|--------|-----------|---------|
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 45.134.11 | Dollars |
| Factors | 10000 | dollars | 5 | waste containerws | 1.015 -- FY00 Escalation -- | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | | |

Line Item 444PERem4 - Process Equipment Removal -Admin Area

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the administration area. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: Item - Process Equipment Removal - Administration Area Units - lot Unit Cost - 5,140 hours \$50,000 odcs Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|-----------|----------------------|--------------------|------|---|----------------------|------------|-------------------------------|-------------------------------|---|-----------|---------|
| | 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KE10H | Indust/Site Srvs Steelworkers | Linear | 142.29 | Hours |
| Factors | 160 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C222S | Water System Operations | | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 751 | OVERTIME BASE & PRE. | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Srvs Steelworkers | | Linear | 222.34 | Hours |
| Factors | 250 | HOURS | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | | C222S | Water System Operations | | Linear | 45.134.11 | Dollars |
| Factors | 10000 | dollars | 5 | waste containers | | 1.015 | -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

Line Item 444PERem5 - Process Equipment Removal -Stress Relief

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal in the stress relief area. | | | | | | | |
| | Experience Item Desc - Building Decommissioning | | | | | | | |
| | Breakdown of Cost Data: Item - Process Equipment Removal - Stress Relief Area Units - lot Unit Cost - 4730 hours \$50,000 odcs Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A | | | | | | | |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |

| | | | | | | | | | |
|-----------|-------------------|--------------------|-------|----------------------|------------|-------------------------------|--------|----------|---------------------------------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 142.29 | Hours |
| | Factors 160 Hours | | | | | | | | |
| | | | | | | | | 0.88934 | [SYS 061400] .88934200 - Svstem |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------------------|---------|-------------------------------|------------|-------------------------------|-----------------------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 3.201.63 | Hours |
| Factors | 3600 | Hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 222.34 | Hours |
| Factors | 250 | hours | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 45.134.11 | Dollars |
| Factors | 10000 | dollars | 5 | containers | 1.015 | -- FY00 Escalation -- | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Line Item 444PErem6 - Process Equipment Removal -Room 101

| | |
|-----|---|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for room 101. |
| | Experience Item Desc - Building Decommissioning |
| | Breakdown of Cost Data: Item - Process Equipment Removal - Room 101 Units - Lot Unit Cost - 18,472 hours 300,000 dollars Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A |
| | This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units | |
|--------------|----------------------|---------|---|-------------------------------|------------|-------|-------------------------------|----------|---|---------|
| 750 | STRAIGHT TIME BASE | | L070 | MISSION SUP SPEC III | | KE10H | Indust/Site Svrs Steelworkers | Linear | 2,219.80 | Hours |
| Factors | 2496 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | | C222S | Water Svstem Operations | Linear | 284.59 | Hours |
| Factors | 320 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | T050 | RADIATION CONTROL TECHNOLIGI | | KE10H | Indust/Site Svrs Steelworkers | Linear | 2,219.80 | Hours |
| Factors | 2496 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 750 | STRAIGHT TIME BASE | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Svrs Steelworkers | Linear | 11,098.99 | Hours |
| Factors | 12480 | Hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| 751 | OVERTIME BASE & PRE. | | T070 | MAINT. TECHS. (INSTRUMENT TEC | | KE10H | Indust/Site Svrs Steelworkers | Linear | 844.87 | Hours |
| Factors | 950 | hours | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | | |
| A5C | SUPPLIES | | 0000 | NONE | | C222S | Water Svstem Operations | Linear | 270,804.60 | Dollars |
| Factors | 10000 | dollars | 30 | waste containers | | 1.015 | -- FY00 Escalation -- | | 0.88934 [SYS 061400] .88934200 - Svstem | |

Line Item 444PErem7 - Process Equipment Removal -Room 601/602

| | |
|-----|---|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for room 601/602. |
| | Experience Item Desc - Building Decommissioning |
| | Breakdown of Cost Data: Item - Process Equipment Removal - Room 601/602 Units - lot Unit Cost - 5450 hours \$200,000 odcs |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------------------|----------------------|---|-------------------------------|------------|-------------------------------|--------|------------|---------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors 720 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 142.29 | Hours |
| Factors 160 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 640.33 | Hours |
| Factors 720 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 3,201.63 | Hours |
| Factors 3600 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 222.34 | Hours |
| Factors 250 hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| A5C | SUPPLIES | 0000 | NONE | C222S | Water System Operations | Linear | 180,536.40 | Dollars |
| Factors 10000 dollars | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| | | 20 waste containers 1.015 -- FY00 Escalation -- | | | | | | |

Line Item 444PErem8 - Process Equipment Removal -B447

BOE

Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required for process equipment removal for B447.

Experience Item Desc - Building Decommissioning

Breakdown of Cost Data:
Item - Process Equipment Removal - B447
Units - Lot
Unit Cost - 10630 hours \$200,000 ODCS
Unit Cost Adjustment factor - N/A
Revised Unit Cost - N/A
Basis for adjustment - N/A

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|--------------------|----------------------|---|-------------------------------|------------|-------------------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors 1440 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water System Operations | Linear | 177.87 | Hours |
| Factors 200 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLIGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,280.65 | Hours |
| Factors 1440 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 6,403.26 | Hours |
| Factors 7200 Hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Srvs Steelworkers | Linear | 311.27 | Hours |
| Factors 350 hours | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
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Starts In FY *

| | | | | | | | | |
|---------|----------|---------|------|------------------|-------------------------|-----------------------|------------|---------|
| A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 180.536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | 1.015 | -- FY00 Escalation -- | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444PErem9 - Process Equipment Removal -Room 104/109

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - 27 years construction industry experience, including D&D of Rad, Be, and Industrial Buildings. Detailed cost estimates are located in B444, room 120. This estimate is considered to be the minimum level required to process equipment removal for room 104/109. Experience Item Desc - Building Decommissioning Breakdown of Cost Data: Item - Process Equipment Removal - Room 104/109 Units - lot Unit Cost - 5,510 hours \$200,000 odcs Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|----------------------|-------|-------------------------------|------------|-------------------------------|--------|------------|---------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | L070 | MISSION SUP SPEC III | KE10H | Indust/Site Svrs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C222S | Water Svstem Operations | Linear | 106.72 | Hours |
| Factors | 120 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svrs Steelworkers | Linear | 640.33 | Hours |
| Factors | 720 | Hours | | | | | | | |
| | 750 | STRAIGHT TIME BASE | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 3,201.63 | Hours |
| Factors | 3600 | Hours | | | | | | | |
| | 751 | OVERTIME BASE & PRE. | T070 | MAINT. TECHS. (INSTRUMENT TEC | KE10H | Indust/Site Svrs Steelworkers | Linear | 311.27 | Hours |
| Factors | 350 | hours | | | | | | | |
| | A5C | SUPPLIES | 0000 | NONE | C222S | Water Svstem Operations | Linear | 180.536.40 | Dollars |
| Factors | 10000 | dollars | 20 | waste containers | 1.015 | -- FY00 Escalation -- | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444persrelo1 - Identify Non-Essential personnel

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required identify non-essential personnel. Experience Item Desc - resource allocation Breakdown of Cost Data: Item - Personnel allocation Units - Lot Unit Cost 45 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| | | | | | | | | | |
|-----------|--------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Manaaement | Linear | 40.02 | Hours |
| Factors | 45 | Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444persrelo2 - Find Space for Non-Essential Personnel

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Proiect
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

based on the lowest level of support required for finding space for non-essential personnel.
Experience Item Desc - project management
Breakdown of Cost Data:
Item - space allocation
Units - Lot
Unit Cost 45 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 40.02 | Hours |
| | Factors | 45 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Ssystem

Line Item 444persrelo3 - Prepare Personnel Move Documentation

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required prepare moving documentation
Experience Item Desc - project management
Breakdown of Cost Data:
Item - document preparation
Units - Lot
Unit Cost 36 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|---------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 16.01 | Hours |
| | Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Ssystem

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 16.01 | Hours |
| | Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Ssystem

Line Item 444persrelo4 - Move Personnel

BOE Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for move non-essential personnel.
Experience Item Desc - moving non-essential personnel
Breakdown of Cost Data:
Item - moving
Units - Lot
Unit Cost 144 hours \$36,720 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 128.07 | Hours |
| | Factors | 144 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Ssystem

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|---------|-------------------------------|------------|--------------------|--------|-----------|---------|
| | A5H | SUBCONTRACTED SRVS | 0000 | NONE | C104S | Closure Management | Linear | 21.121.97 | Dollars |
| | Factors | 23220 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Ssystem

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|---------|---------|-------|-----------------------|----------------------------|--------|-----------|---------|
| A5L | RENTALS | 0000 | NONE | C106S | Business Management Office | Linear | 12,186.21 | Dollars |
| Factors | 13500 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444persrelo5 - Prepare Closeout Documentation

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for prepare closeout documentation. Experience Item Desc - document preparation Breakdown of Cost Data: Item - document Units - Lot Unit Cost 8 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------|--------------------|-------|--------------------------|------------|--------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 7.11 | Hours |
| | Factors | 8 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444proEqp30 - Deenergize Process Equipment

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to Deenergize Process Equipment in B444. Experience Item Desc - Equipment Deenergization Breakdown of Cost Data: Item - Equipment Deenergization Units - Lot Unit Cost 2941 hours Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|-------|--------------|------------|-------------------------------|--------|----------|-------|
| | 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | KE10H | Indust/Site Srvs Steelworkers | Linear | 1,794.69 | Hours |
| | Factors 2018 Hours | | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|--------|-------|
| | 750 | STRAIGHT TIME BASE | M010 | FOREMEN / TEAM LEADS / GROUP | C210S | Facilities Mgmt & Maintenance | Linear | 266.80 | Hours |
| Factors | 300 | Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|--------|-------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 123.62 | Hours |
| Factors | 139 | Hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|-----|--------------------|------|------------------------------|-------|-------------------------------|--------|-------|-------|
| | 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Srvs Steelworkers | Linear | 44.47 | Hours |
| Factors | 50 | hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

| | | | | | | | | | |
|---------|-----|----------------------|------|--------------|-------|-------------------------------|--------|--------|-------|
| | 751 | OVERTIME BASE & PRE. | C020 | ELECTRICIANS | KE10H | Indust/Site Srvs Steelworkers | Linear | 133.40 | Hours |
| Factors | 150 | hours | | | | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 444proEqp31 - Closeout Documentation & Drawing Updates

| | | | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required to update documents and drawings. Experience Item Desc - Drawing Updates Breakdown of Cost Data: Item - Draing Updates Units - Lot Unit Cost \$28000 ODCs | | | | | | | |
|-----|---|--|--|--|--|--|--|--|

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter * *Starts In FY* *

Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|--|-------|----------------------|------------|---------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | | E040 | ELECTRICAL ENGINEERS | C105S | Work Control Center | Linear | 12.735.04 | Dollars |

Factors 14000 Dollars 1.02283 -- FY00 Escalation --

| | | | | | | | | | |
|-----|--------------------|--|------|-----------------|-------|---------------------|--------|-----------|---------|
| A5H | SUBCONTRACTED SRVS | | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 12.735.04 | Dollars |
|-----|--------------------|--|------|-----------------|-------|---------------------|--------|-----------|---------|

Factors 14000 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

0.88934 [SYS 061400] .88934200 - System

Line Item 444proprem32 - Activity Hazards Analysis

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required forActivity Hazards Analysis.
Experience Item Desc -Hazards Analysis
Breakdown of Cost Data:
Item - Hazards Analysis
Units - Lot
Unit Cost 20 hours \$250 ODCS
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|--|-------|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |

Factors 10 Hours

| | | | | | | | | | |
|-----|--------------------|--|------|------------------------------|-------|--------------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 8.89 | Hours |
|-----|--------------------|--|------|------------------------------|-------|--------------------|--------|------|-------|

Factors 10 Hours

| | | | | | | | | | |
|-----|--------------------|--|------|-----------------------|-------|-----------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 227.41 | Dollars |
|-----|--------------------|--|------|-----------------------|-------|-----------------|--------|--------|---------|

Factors 250 Dollars 1.02283 -- FY00 Escalation --

0.88934 [SYS 061400] .88934200 - System

0.88934 [SYS 061400] .88934200 - System

0.88934 [SYS 061400] .88934200 - System

Line Item 444proprem33 - Prepare RWP

BOE

Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for RWP preparation.
Experience Item Desc -RWP preparation
Breakdown of Cost Data:
Item - RWP
Units - Lot
Unit Cost 16 hours
Unit Cost Adjustment factor -
Revised Unit Cost -
Basis for adjustment -

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--------------|--------------------|--|-------|------------------------------|------------|--------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |

Factors 4 Hours

| | | | | | | | | | |
|-----|--------------------|--|------|------------------------------|-------|--------------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | | M010 | FOREMEN / TEAM LEADS / GROUP | C104S | Closure Management | Linear | 3.56 | Hours |
|-----|--------------------|--|------|------------------------------|-------|--------------------|--------|------|-------|

Factors 4 Hours

0.88934 [SYS 061400] .88934200 - System

0.88934 [SYS 061400] .88934200 - System

WBS No: 1EDC05
Activity ID: 1EDC5201

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|--------------------|-------|-------------------|-------|-----------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|------------------------------|-------|-------------------------------|--------|------|-------|
| 750 | STRAIGHT TIME BASE | T050 | RADIATION CONTROL TECHNOLOGI | KE10H | Indust/Site Svcs Steelworkers | Linear | 3.56 | Hours |
| Factors | 4 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item 444proprem34 - Prepare Engineering/ IWCP for Deenergization

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | Estimators Experience - B444 Manager. 8 years RFETS experience in similar activities. Detailed cost estimate located in B444, room 120. This estimate is based on the lowest level of support required for IWCP preparation Experience Item Desc - IWCP preparation Breakdown of Cost Data: Item - IWCP Units - Lot Unit Cost 149 hours \$14436 ODCS Unit Cost Adjustment factor - Revised Unit Cost - Basis for adjustment - This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

Resources

| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
|---------|--------------------|-------|-----------------|-------|---------------------|--------|----------|-------|
| 750 | STRAIGHT TIME BASE | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|---------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C104S | Closure Management | Linear | 48.02 | Hours |
| Factors | 54 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|--------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 24.01 | Hours |
| Factors | 27 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|--------------------------|-------|--------------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C104S | Closure Management | Linear | 28.46 | Hours |
| Factors | 32 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|-------|-------------------|-------|-----------------|--------|-------|-------|
| 750 | STRAIGHT TIME BASE | P080 | HEALTH PHYSICISTS | C101S | Health & Safety | Linear | 16.01 | Hours |
| Factors | 18 | Hours | | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|----------|---------|-----------------------------|-------|--------------------|--------|----------|---------|
| A5C | SUPPLIES | 0000 | NONE | C104S | Closure Management | Linear | 3,610.73 | Dollars |
| Factors | 4000 | Dollars | 1.015 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|---------------------|--------|----------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 8,787.18 | Dollars |
| Factors | 9660 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|---------------------|--------|-------|---------|
| A5H | SUBCONTRACTED SRVS | E130 | OTHER ENGINEERS | C105S | Work Control Center | Linear | 24.56 | Dollars |
| Factors | 27 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

| | | | | | | | | |
|---------|--------------------|---------|-------------------------------|-------|-----------------|--------|--------|---------|
| A5H | SUBCONTRACTED SRVS | P090 | INDUSTRIAL HYGIENISTS | C101S | Health & Safety | Linear | 681.32 | Dollars |
| Factors | 749 | Dollars | 1.02283 -- FY00 Escalation -- | | | | | |

0.88934 [SYS 061400] .88934200 - Svstem

Line Item SYS - Contingency And Escalation

| BOE | | | | | | | | |
|-----------|--------------|---------|-------|-------|---------------|--------|------------|---------|
| Resources | | | | | | | | |
| | Cost Element | | Skill | | Department | Curve | Quantity | Units |
| CON | CONTINGENCY | 0000 | NONE | ZDEPT | No Department | Linear | 174,429.90 | Dollars |
| Factors | 174430 | Dollars | | | | | | |
| ESC | ESCALATION | 0000 | NONE | ZDEPT | No Department | Linear | 112,997.20 | Dollars |
| Factors | 112997 | Dollars | | | | | | |

WBS No: 1EDC06
Activity ID: 1E5B105A20

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | |
|-------------------------|---|
| WBS No: 1EDC06 | Title: 460 Cluster Stabilization/Hazard Removal |
| Activity ID: 1E5B105A20 | Description: 460 Cluster Property Removal |

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 460PrRem | Property Removal | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1E5B105A20: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item 460PrRem - Property Removal

| | |
|-----|---|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 31038 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------------|-------------------------------|-------------------------------------|---|----------|-------|
| 750 | STRAIGHT TIME BASE | C010 CARPENTERS | C211S Electrical Maintenance | Linear | 1.471.86 | Hours |
| Factors | 1655 hrs | | | | | |
| | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | C020 ELECTRICIANS | C214S Building Maintenance | Linear | 1.655.95 | Hours |
| Factors | 1862 hrs | | | | | |
| | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | C080 PLUMBERS AND PIPEFITTERS | C213S HVAC Maintenance | Linear | 2.392.33 | Hours |
| Factors | 2690 hrs | | | | | |
| | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | E120 SAFETY ENGINEERS | C101S Health & Safety | Linear | 2.759.63 | Hours |
| Factors | 3103 hrs | | | | | |
| | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | L090 GENERAL LABORER | C270S Property Management | Linear | 2.760.52 | Hours |
| Factors | 3104 hrs | | | | | |
| | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |
| 750 | STRAIGHT TIME BASE | M020 MANAGERS (GRADE 69 - 72) | C210S Facilities Mgmt & Maintenance | Linear | 9.660.92 | Hours |
| Factors | 10863 hrs | | | | | |
| | | | | 0.88934 [SYS 061400] .88934200 - Svstem | | |

| | |
|-------------------------|---|
| Activity ID: 1E5B105A30 | Description: 460 Cluster Personnel Relocation |
|-------------------------|---|

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|--------------------------------|----------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 460PerRelo | Personnel Relocation | 0.00 | each | EE | #Num! | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total for Activity 1E5B105A30: | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Line Item 460PerRelo - Personnel Relocation

| | |
|-----|---|
| BOE | Breakdown of Cost Data:Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99. Item - Personnel Move Units - Each Unit Cost - \$432.35 Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Resources | Cost Element | Skill | Department | Curve | Quantity | Units |
|-----------|--------------|-------|------------|-------|----------|-------|
|-----------|--------------|-------|------------|-------|----------|-------|

WBS No: 1EDC06
Activity ID: 1E5B105A30

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

| | | | | | | | | |
|---------|--------------------|---------|-----------------|-----------------------|-------------------------------|---------|--------------|--------------------|
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C233S | Building Services | Linear | 8.00 | Hours |
| Factors | 9 | Hrs | | | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A59 | DYNCORP I&ET | 0000 | NONE | C210S | Facilities Mamt & Maintenance | Linear | 163.74 | Dollars |
| Factors | 180 | Dollars | 1.02283 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |
| A5C | SUPPLIES | 0000 | NONE | C233S | Building Services | Linear | 48.08 | Dollars |
| Factors | 53.26 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |
| | | | | | | 0.88934 | [SYS 061400] | .88934200 - Svstem |

Activity ID: 1EDC6200

Description: 460 Cluster Stab/Hazard Removal

Cost Risk 2 Schedule Risk 2

| Line Item | Description | Quantity | Units | BOE Type | Labor Hours/Unit | Labor Hours Total | Labor Cost Total | Materials/ Sub Cost | Contingency & Escalation | Total Prime Cost | Burden Cost | Total Cost |
|------------------------------|----------------------------|----------|-------|----------|------------------|-------------------|------------------|---------------------|--------------------------|------------------|-------------|------------|
| 0100 - tC55B105A | Property Removal | 1.00 | each | EE | 20.701 | 20.701 | 764.017 | 0 | 0 | 764.017 | 236.924 | 1,000.941 |
| 460FacTrans | Facility Transition | 1.00 | each | EE | 761 | 761 | 25.442 | 5.458 | 0 | 30.899 | 7.890 | 38.789 |
| 460PerRelo | Personnel Relocation | 110.00 | each | EE | 8 | 880 | 10.970 | 23.299 | 0 | 34.270 | 3.402 | 37.672 |
| 460PrRem | Property Removal | 1.00 | each | EE | 20.701 | 20.701 | 764.017 | 0 | 0 | 764.017 | 236.924 | 1,000.941 |
| SYS | Contingency And Escalation | 1.00 | ea | EE | 0 | 0 | 0 | 0 | 650.285 | 650.285 | 0 | 650.285 |
| Total for Activity 1EDC6200: | | | | | | 43.044 | 1,564.446 | 28.757 | 650.285 | 2,243.488 | 485.140 | 2,728.628 |

Line Item 0100 - tC55B105A20 - Property Removal

| | |
|-----|---|
| BOE | Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 31038 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions. |
|-----|---|

| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|------|---|------------|-------------------------------|------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 1,471.86 | Hours |
| Factors | 1655 | hrs | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 1,655.95 | Hours | |
| Factors | 1862 | hrs | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 2,392.33 | Hours | |
| Factors | 2690 | hrs | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | E120 | SAFETY ENGINEERS | C101S | Health & Safety | Linear | 2,759.63 | Hours | |
| Factors | 3103 | hrs | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | L090 | GENERAL LABORER | C270S | Property Management | Linear | 2,760.52 | Hours | |
| Factors | 3104 | hrs | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |
| 750 | STRAIGHT TIME BASE | | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 9,660.92 | Hours | |
| Factors | 10863 | hrs | | 0.88934 [SYS 061400] .88934200 - Svstem | | | | | | |

Line Item 460FacTrans - Facility Transition

| | |
|-----|--|
| BOE | Estimators Experience - The estimators were consultants hired from ICF Kaiser to develop the facility transition tasks template the template was modified to exclude relocation of personnel and property disposition. The remaining costs are applied on a per building basis in each cluster. Breakdown of Cost Data: |
|-----|--|

WBS No: 1EDC06
Activity ID: 1EDC6200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project Baseline Devl
WBS Filter 1EDC
Activity Filter *

Starts In FY *

Item - Building Transition
Units - Per Building, 2 buildings in this cluster.
Unit Cost - Maintenance Management - 160 Hrs; Carpenters - 74 hrs; Plumbers 74hrs; Electricians - 88 hrs; Env. Compliance - 8; Fire Prot. Eng. - \$1,200;
Planning - \$1,800; Safety - 8 hrs.
Unit Cost Adjustment factor - None
Revised Unit Cost - None
Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--|--------------------|------|---------------------------|-------|-------------------------------|--------|-------|----------|---------|
| 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C210S | Facilities Mgmt & Maintenance | Linear | | 131.62 | Hours |
| Factors | 74 hrs | | 2 buildings | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C210S | Facilities Mgmt & Maintenance | Linear | | 156.52 | Hours |
| Factors | 88 hrs | | 2 buildings | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C210S | Facilities Mgmt & Maintenance | Linear | | 131.62 | Hours |
| Factors | 74 hrs | | 2 buildings | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | E050 | ENVIRONMENTAL ENGINEERS | C103S | Environmental Compliance | Linear | | 14.23 | Hours |
| Factors | 8 hrs | | 2 buildings | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C200S | Engineering Services | Linear | | 14.23 | Hours |
| Factors | 8 hrs | | 2 buildings | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | G010 | ADMINISTRATIVE ASSISTANTS | C210S | Facilities Mgmt & Maintenance | Linear | | 28.46 | Hours |
| Factors | 16 hrs | | 2 buildings | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | | 284.59 | Hours |
| Factors | 160 hrs | | 2 buildings | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| A53 | E-2 | 0000 | NONE | C105S | Work Control Center | Linear | | 3,274.72 | Dollars |
| Factors | 1800 \$ | | 2 buildings | | 1.02283 -- FY00 Escalation -- | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| A53 | E-2 | 0000 | NONE | K252S | Engineering | Linear | | 2,183.15 | Dollars |
| Factors | 1200 \$ | | 2 buildings | | 1.02283 -- FY00 Escalation -- | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |

Line Item 460PerRelo - Personnel Relocation

BOE

Breakdown of Cost Data:Cost estimate is derived from Relocation requirements Planning Template, Dated 3/31/99.
Item - Personnel Move
Units - Each
Unit Cost - \$432.35
Unit Cost Adjustment factor - None
Revised Unit Cost - None
Basis for adjustment - None

This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.

Resources

| Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
|--|--------------------|------|-------------------------------|-------|-------------------------------|--------|-------|----------|---------|
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C233S | Building Services | Linear | | 8.00 | Hours |
| Factors | 9 Hrs | | | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |
| A59 | DYNCORP I&ET | 0000 | NONE | C210S | Facilities Mgmt & Maintenance | Linear | | 163.74 | Dollars |
| Factors | 180 Dollars | | 1.02283 -- FY00 Escalation -- | | | | | | |
| 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | | | | |

WBS No: 1EDC06
Activity ID: 1EDC6200

Rockv Flats Closure Project
Baseline Cost and Basis of Estimate

Project
WBS Filter
Activity Filter
Baseline Devl
1EDC
*

Starts In FY *

| | | | | | | | | |
|---------|----------|---------|-------|-----------------------|-------------------|--------|-------|---------|
| A5C | SUPPLIES | 0000 | NONE | C233S | Building Services | Linear | 48.08 | Dollars |
| Factors | 53.26 | Dollars | 1.015 | -- FY00 Escalation -- | | | | |

0.88934 [SYS 061400] .88934200 - Svsstem

Line Item 460PrRem - Property Removal

| | | | | | | | | |
|-----|--|--|--|--|--|--|--|--|
| BOE | <p>Estimators Experience - Estimator has been working in KH property management and oversight for the past four years. Experience Item Desc - Estimator has been managing the subcontractor efforts in excess property and property disposition for four years. Estimator developed a disposal cost model that was adapted to the buildings in this cluster Breakdown of Cost Data: Item - property disposition Units - each. There are and estimated 31038 units that will require disposition. Unit Cost - Average cost for one unit of admin. property disposal requires .20 hrs of Haz. Assessment, .35 hrs of Readiness removal, .2 Hrs of transportation, .1 Hrs of material handling, and .35 hrs admin support. Unit Cost Adjustment factor - None Revised Unit Cost - None Basis for adjustment - None</p> <p>This estimate includes a project productivity/efficiency factor for committed but as yet undefined cost reductions.</p> | | | | | | | |
|-----|--|--|--|--|--|--|--|--|

| Resources | Cost Element | | Skill | | Department | | Curve | Quantity | Units |
|-----------|--------------------|--------------------|--|------------|-------------------------------|------------------------|----------|----------|-------|
| | 750 | STRAIGHT TIME BASE | C010 | CARPENTERS | C211S | Electrical Maintenance | Linear | 1,471.86 | Hours |
| Factors | 1655 | hrs | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | C020 | ELECTRICIANS | C214S | Building Maintenance | Linear | 1,655.95 | Hours | |
| Factors | 1862 | hrs | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | C080 | PLUMBERS AND PIPEFITTERS | C213S | HVAC Maintenance | Linear | 2,392.33 | Hours | |
| Factors | 2690 | hrs | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | E120 | SAFETY ENGINEERS | C101S | Health & Safety | Linear | 2,759.63 | Hours | |
| Factors | 3103 | hrs | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | L090 | GENERAL LABORER | C270S | Property Management | Linear | 2,760.52 | Hours | |
| Factors | 3104 | hrs | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |
| 750 | STRAIGHT TIME BASE | M020 | MANAGERS (GRADE 69 - 72) | C210S | Facilities Mgmt & Maintenance | Linear | 9,660.92 | Hours | |
| Factors | 10863 | hrs | 0.88934 [SYS 061400] .88934200 - Svsstem | | | | | | |

Line Item SYS - Contingency And Escalation

| | | | | | | | | | | |
|-----------|------------------------|-------------|--|-------|------|------------|---------------|--------|------------|---------|
| BOE | | | | | | | | | | |
| Resources | Cost Element | | | Skill | | Department | | Curve | Quantity | Units |
| | CON | CONTINGENCY | | 0000 | NONE | ZDEPT | No Department | Linear | 397.119.30 | Dollars |
| | Factors 397119 Dollars | | | | | | | | | |
| | ESC | ESCALATION | | 0000 | NONE | ZDEPT | No Department | Linear | 253.165.80 | Dollars |
| | Factors 253166 Dollars | | | | | | | | | |

Report Totals:

| | | | | | | |
|-------------|------------|----------------|--------------|-------------|-------------|------------|
| Labor Hours | Labor Cost | Materials/ Sub | Contingency | Total Prime | Burden Cost | Total Cost |
| Total | Total | Cost | & Escalation | Cost | | |
| 231.987 | 6,003.762 | 4,251.428 | 1,848.910 | 12,104.100 | 2,232.814 | 14,336.914 |